

CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 210 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..210
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-010-408-8
Query Match 27.9%; Score 210; DB 14; Length 210;
Best Local Similarity 100.0%; Pred. No. 5.3e-99;
Matches 210; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 70 CAGCTGTGCGGACACCCCTGTACTCTGTCTTGACACCAACCCAGTGCCCAACAGGGGTA 129
DB 1 CAGCTGTGCGGACACCCCTGTACTCTGTCTTGACACCAACCCAGTGCCCAACAGGGGTA 60
QY 130 CCCCCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 189
DB 61 CCCCCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 120
QY 190 TGGACACCACTGTGATGTGAGACCCAGCAGGAGCTGTGTTGTCAAGCTGAGGAGCAGC 249
DB 121 TGGACACCACTGTGATGTGAGACCCAGCAGGAGCTGTGTTGTCAAGCTGAGGAGCAGC 180
QY 250 CTTGGCGGCAATGGGGCTGTGTCTCTTG 279
DB 181 CTTGGCGGCAATGGGGCTGTGTCTCTTG 210
RESULT 5
US-10-010-408-5
Sequence 5, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellino, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts

COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..177
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-010-408-5
Query Match 23.5%; Score 177; DB 14; Length 177;
Best Local Similarity 100.0%; Pred. No. 8.8e-82;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 298 TGTGAGTGAATGGCCCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGACAGGTC 357
DB 1 TGTGAGTGAATGGCCCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGACAGGTC 60
QY 358 CTGTGCGGCTGTGATGACGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 417
DB 61 CTGTGCGGCTGTGATGACGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 120
QY 418 CTGCCCAGCTGGGACTGCCACGCCCCAGAGAAATACAGGTGCCAGGAAAGTGCTGC 474
DB 121 CTGCCCAGCTGGGACTGCCACGCCCCAGAGAAATACAGGTGCCAGGAAAGTGCTGC 177
RESULT 6
US-10-010-408-10
Sequence 10, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellino, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010.408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragoras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 174 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..174
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-010-408-10
Query Match 23.1%; Score 174; DB 14; Length 174;
Best Local Similarity 100.0%; Pred. No. 3,2e-80;
Matches 174; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 577 CCTGTGCAATTGAGACAGCCTGAGGAGCCCTGCTCAACCACTGTGAGGCTGAGGACATA 636
DB 1 CCTGTGCAATTGAGACAGCCTGAGGAGCCCTGCTCAACCACTGTGAGGCTGAGGACATA 60
QY 637 GCCACCCGAGTGTCCACACGACGATTTGACCACTGAGATGACACGCGGCTGTGT 696
DB 61 GCCACCCGAGTGTCCACACGACGATTTGACCACTGAGATGACACGCGGCTGTGT 120
QY 697 CTGCCCCAGACCTGCTGCGGACGCCAGGACCAAGCTTCATGGAACATGCTTTC 750
DB 121 CTGCCCCAGACCTGCTGCGGACGCCAGGACCAAGCTTCATGGAACATGCTTTC 174
RESULT 7
US-10-112-267-17
Sequence 17, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
PRIOR APPLICATION NUMBER: 2002-03-27
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17
Query Match 12.0%; Score 90; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 1.7e-36;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 162 AGTGTGCAAGGAGGCTGGGAGATCTCGACCAACCTGCATGTCTGCCAGCCAGCCA 221
DB 418 AGTGTGCAAGGAGGCTGGGAGATCTCGACCAACCTGCATGTCTGCCAGCCAGCCA 477
QY 222 GGGCTGATTGTGACGCTGGGAGGCCC 251
DB 478 GGGCTGATTGTGACGCTGGGAGGCCC 507
RESULT 8
US-10-112-267-18/C
Sequence 18, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
PRIOR APPLICATION NUMBER: 2002-03-27
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-18
Query Match 12.0%; Score 90; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 1.7e-36;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 162 AGTGTGCAAGGAGGCTGGGAGATCTCGACCAACCTGCATGTCTGCCAGCCAGCCA 221
DB 1317 AGTGTGCAAGGAGGCTGGGAGATCTCGACCAACCTGCATGTCTGCCAGCCAGCCA 1258
QY 222 GGGCTGATTGTGACGCTGGGAGGCCC 251
DB 1257 GGGCTGATTGTGACGCTGGGAGGCCC 1228
RESULT 9
US-09-864-761-23432
Sequence 23432, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:

```

APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica-X-1
CURRENT FILING DATE: 2001-05-23
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US/09/864,761
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 23432
LENGTH: 199
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL139352.8
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
OTHER INFORMATION: NT HIT: AF083500.1, EVALU 1.00e-108
OTHER INFORMATION: SWISSPROT HIT: O19113, EVALU 9.00e-19
US-09-864-761-223432
Query Match 4.2% Score 32; DB 9; Length 199;
Best Local Similarity 100.0%; Pred No. 3.7e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 10
US-09-864-761-6698
/ Sequence 6698, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ FILE REFERENCE: Aecm1ca-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263,6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annumax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 6698
/ LENGTH: 586
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AL139352.8
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
/ OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 2.7
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
US-09-864-761-6698

Query Match 4.2% Score 32: DB 9: Length 586:
Beet local Similarity 100.0%: Pred. No. 3.3e-06:
Matches 32: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

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QY 406 GAGGATGTCGGCTGCCGACGTCGAGTGCCTGCC 437
| | | | | | | | | | | | | | | | | | | | | |
Db 342 GAGGATGTCGGCTGCCGACGTCGAGTGCCTGCC 373

RESULT 11
US-10-641-643-790
; Sequence 790, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; Suan G. Stuart
; Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeiler, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 790:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 647 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGTT02
; CLONE: 692911
; SEQUENCE DESCRIPTION: SEQ ID NO: 790 :
US-10-641-643-790

Query Match 4.2%; Score 32; DB 17; Length 647;
Best Local Similarity 100.0%; Pred. No. 3.3e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 406 GAGGATGTCGGCTGCCGACGTCGAGTGCCTGCC 437
| | | | | | | | | | | | | | | | | | | | | |
Db 138 GAGGATGTCGGCTGCCGACGTCGAGTGCCTGCC 169

RESULT 12
US-10-112-267-38
; Sequence 38, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; Cohen, Robert
; APPLICANT: Goddard, Audrey
; Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; Hillan, Kenneth J.

Query Match 4.2%; Score 32; DB 15; Length 738;
Best Local Similarity 100.0%; Pred. No. 3.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGGTGTGATGAGTGTGCTGTGCTG 158
| | | | | | | | | | | | | | | | | | | | | |
Db 115 GTACCCCTGGTGTGATGAGTGTGCTGTGCTG 146

RESULT 13
US-10-112-267-39
; Sequence 39, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; Cohen, Robert
; APPLICANT: Goddard, Audrey
; Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 38
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-112-267-38

Query Match 4.2%; Score 32; DB 15; Length 738;
Best Local Similarity 100.0%; Pred. No. 3.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGGTGTGATGAGTGTGCTGTGCTG 158
| | | | | | | | | | | | | | | | | | | | | |
Db 115 GTACCCCTGGTGTGATGAGTGTGCTGTGCTG 146

RESULT 13
US-10-112-267-39
; Sequence 39, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; Cohen, Robert
; APPLICANT: Goddard, Audrey
; Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 39
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1-841
; OTHER INFORMATION: Sequence is synthesized.
US-10-112-267-39

Query Match 4.2%; Score 32; DB 15; Length 841;
Best Local Similarity 100.0%; Pred. No. 3.2e-06;
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Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 406 GAGATGTCGGCTGCCAGCTGGAGACGCCCC 437
 417 GAGATGTCGGCTGCCAGCTGGAGACGCCCC 448

RESULT 14

US-10-147-493-319
 ; Sequence 319, Application US/10147493
 ; Publication No. US20040029217A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P3330R1C345
 CURRENT FILING DATE: 2002-05-17
 ; Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 319
 LENGTH: 1266
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-147-493-319

Query Match 4.2%; Score 32; DB 13; Length 1266;
 Best Local Similarity 100.0%; Pred. No. 3e-06;
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 GTACCCCTGTGCTGGATGCTGTGCTGCTG 158
 136 GTACCCCTGTGCTGGATGCTGTGCTGCTG 167

RESULT 15

US-10-145-127-319
 ; Sequence 319, Application US/10145127
 ; Publication No. US20040033558A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3330R1C252

CURRENT APPLICATION NUMBER: US/10/145,127

CURRENT FILING DATE: 2002-05-13

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 319

LENGTH: 1266

TYPE: DNA

ORGANISM: Homo Sapien

US-10-145-127-319

Query Match 4.2%; Score 32; DB 13; Length 1266;
 Best Local Similarity 100.0%; Pred. No. 3e-06;
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 GTACCCCTGTGCTGGATGCTGTGCTGCTG 158
 136 GTACCCCTGTGCTGGATGCTGTGCTGCTG 167

Search completed: May 9, 2004, 15:44:06
 Job time : 335.445 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 04:40:51 : Search time 53.0441 Seconds
(without alignments)
6643.418 Million cell updates/sec

Title: US-10-010-408-3_COPY_1_635

Perfect score: 635

Sequence: 1 ATGAGGGGAGGCCCTGAT.....ACCACTGTGGCTGGGCAT 635

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Issued Patents NA:
1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/2/ina/PCUS_COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	553.2	87.1	1734	US-09-182-145-17	Sequence 17, Appl
2	553.2	87.1	1734	US-09-182-145-18	Sequence 18, Appl
3	430.2	67.7	1293	US-09-182-145-13	Sequence 13, Appl
4	430.2	67.7	1293	US-09-182-145-14	Sequence 14, Appl
5	423	66.6	738	US-09-182-145-38	Sequence 38, Appl
6	416.2	65.5	841	US-09-182-145-39	Sequence 39, Appl
7	222.8	35.1	647	US-09-023-655-790	Sequence 790, App
8	127.6	20.1	2075	US-08-167-628-1	Sequence 1, Appl
9	127.6	20.1	2075	US-08-386-680-1	Sequence 1, Appl
10	127.6	20.1	2075	US-08-459-711-1	Sequence 1, Appl
11	127.6	20.1	2075	US-08-712-302-1	Sequence 1, Appl
12	127.6	20.1	2075	US-08-880-031-1	Sequence 1, Appl
13	127.6	20.1	2075	US-09-097-179-1	Sequence 1, Appl
14	127.6	20.1	2075	US-09-080-715-1	Sequence 1, Appl
15	127.6	20.1	2075	US-09-142-569-7	Sequence 7, Appl
16	127.6	20.1	2075	US-09-461-688-1	Sequence 1, Appl
17	127.6	20.1	2075	US-09-023-655-1044	Sequence 1044, Ap
18	127.6	20.1	2075	PCT-US96-08140-1	Sequence 1, Appl
19	127.6	20.1	2998	US-09-054-368-1	Sequence 1, Appl
20	127.6	20.1	2998	US-09-054-274-1	Sequence 1, Appl
21	127.6	20.1	2998	US-09-056-704-1	Sequence 1, Appl
22	125.8	19.8	2338	US-09-582-337-1	Sequence 1, Appl
23	125.8	19.8	2350	US-09-187-478-1	Sequence 1, Appl
24	125.2	19.7	669	US-09-461-688-3	Sequence 3, Appl
25	125	19.7	1146	US-09-348-815-1	Sequence 1, Appl
26	124.2	19.6	2350	US-09-292-036-1	Sequence 1, Appl
27	123.4	19.4	1418	US-09-142-569-3	Sequence 3, Appl

28	120.8	19.0	2267	US-09-142-569-5	Sequence 5, Appl
29	117	18.4	1480	US-09-142-569-1	Sequence 1, Appl
30	105.6	16.6	1766	US-09-182-145-9	Sequence 9, Appl
31	105.6	16.6	1766	US-09-182-145-10	Sequence 10, Appl
32	102.8	16.2	1128	US-08-459-101A-1	Sequence 1, Appl
33	97	15.3	1062	US-09-253-316-3	Sequence 3, Appl
34	96.2	15.1	2830	US-09-182-145-1	Sequence 1, Appl
35	96.2	15.1	2830	US-09-182-145-2	Sequence 2, Appl
36	84	13.2	4214	US-09-122-135-1	Sequence 1, Appl
37	75.4	11.9	1142	US-09-253-316-1	Sequence 1, Appl
38	75.4	11.9	1212	US-09-182-145-34	Sequence 34, Appl
39	75.4	11.9	1212	US-09-182-145-35	Sequence 35, Appl
40	75.4	11.9	1335	US-09-182-145-30	Sequence 30, Appl
41	75.4	11.9	1335	US-09-182-145-31	Sequence 31, Appl
42	73.8	11.6	1403	US-09-182-145-23	Sequence 23, Appl
43	65.8	10.4	1101	US-09-182-145-29	Sequence 29, Appl
44	63.4	10.0	693	US-09-182-145-24	Sequence 24, Appl
45	63.4	10.0	1202	US-09-182-145-26	Sequence 26, Appl

ALIGNMENTS

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RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Auerin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182.145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17
Query Match      87.1%   Score 553.2; DB 4; Length 1734;
Beet Local Similarity 92.8%   Pred. No. 2.8e-138;
Matches 592; Conservative 0; Mismatches 43; Indels 3; Gaps 1;

QY      1 ATGAGGGGAGGCCCTGATGATTCATTCCTTGCGACCTTCCTTCCTTCCTTCGATG 60
DB      257 ATGAGGGGAGGCCCTGATGATTCATTCCTTGCGACCTTCCTTCCTTCGATG 316
QY      61 GTGTGTGCGGACCTGTGCGGACGACACCCGTAACCTGCTTGAGACACACCCAGGCCA 120
DB      317 GTGTATTCGACGCTGTGCGGACGACACCCGTAACCTGCTTGAGACACACCCAGGCCA 376
QY      121 CAGGGGATACCCCTGTGCTGATGATGCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 180
DB      377 CCGGGGATACCCCTGTGCTGATGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 436
QY      181 GGGAGTCTCGACGACCATTCGATGCTGCGACCCGACGAGGCTGTTGTGAGCTT 240
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Db 437 GGGGAACTCTCGAGACCACTGGATATCTGCGACCCAGACCGAGGCTGGTTGTCAAGCT 496

Qy 241 GGGGCAAGGCTCTGGCCGGCCATGGGCGCTGTGTCTCTTGGATGAGATGACGTAAGCTG 300

Db 497 GGGGCAAGGCCCCAGTGTGGCTGTGTGTGTGCTCTTCCGAAGAGATGACGGGACCTGT 556

Qy 301 GAGGTGAATGGCCGACGTAAGTAACTGGATGAGAGACCTTTAAACCCAAATTGACAGGATCTG 360

Db 557 GAGGTGAATGGCCGACGTAAGTAACTGGATGAGAGAGACCTTTAAACCCAAATTGACAGGATCTG 616

Qy 361 TGCCGCTGTGATAGAGGTGGCTTCACTGCTGCGCTGTGTGCATGAGATGTGTCCGGCTG 420

Db 617 TGCCGCTGTGATAGACGATGGTGTTCACCTGCTGCGCTGTGTGCATGAGATGTGTCCGGCTG 676

Qy 421 CCCAGCTGGGATCTGCCCAAGCCCCCAAGAGATATACAGGTGCCAGAAAGTCTGTCCCGAG 480

Db 677 CCCAGCTGGGATCTGCCCAAGCCCCCAAGAGATATACAGGTGCCAGAAAGTCTGTCCCGAG 736

Qy 481 TGGGTATGTGACCAAGGAGAGTTGA---CACCGGCGATCCAGCGCTCCAGCGGCAAGACAC 537

Db 737 TGGGTATGTGACCAAGGACAGTGAATGCAGCGGCGCAATCCAGCCCTCTTCAAGCCCAAGACAC 796

Qy 538 CAACTTTCCTGCTCTTGCATCCTGTGCTCTGTGATGCTCTCTTGTCCAAATTGGAGACA 597

Db 797 CAACTTTCCTGCTCTTGCATCCTGTGCTCTGTGATGCTCTCTTGTCCAAATTGGAGACA 856

Qy 598 GCCTGGGAGCCCTGTCTCAACCAACTGTGGGCTGGGCAAT 635

Db 857 GCCTGGGAGCCCTGTCTCAACCAACTGTGGGTTGGGCAAT 894

```

RESULT 2
US-09-182-145-18/c
; Sequence 18, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: MSP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,655
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 18
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-18

```

Query Match	87.1%;	Score 553.2;	DB 4;	Length 1734;
Best Local Similarity	92.8%;	Pred. No. 2.8e-138;		
Matches 592;	Conservative	0;	Mismatches 43;	Indels 3;
				Gaps 1.

QY 1 ATAGAGGAGCAGCCCATCTGATCCATCTTTCGACCACCTTCCTTCCTTCCTTCGTAATG 60
QY 1478 ATGAGAGGAGCAACCCATCTGATCTTTCGACCATTCCTTCCTTCGATTCCTGCAATG 1415
QY 61 GTGTGTGCCAGACTGTGTGCCGACACCCCTTACTCTGCTTTCGACACCCACCCAGGCCCA 120

Db	1418	GTGTAATTCCAGAGCTGTGGCCAGAGACACCTGTGCGCTGTCTTGGAGACCAACCAACCCCAATGGACCA	1359
QY	121	CAGGGGGATACCCCTGGTGCTGTGAATGAGTGTGGCTGCTGTGTAAGATGTGTGACACGAGGCTG	180
Db	1358	CCGGGAGGTACCCCTGGGTGTGAGATGAGCTGTGGCTGTGTGAGATGTGTGTGACACGAGGCTG	1299
QY	181	GGGAGATCTCTGGACACCACTTGCAATGTCTGTGGACCCACCGAGCCAGGGGCTGGTTTGCAAGCT	240
Db	1298	GGGAGATCTCTGGACACCACTTGCAATGTCTGTGGACCCACCGAGGCTGGTTTGCAAGCT	1239
QY	241	GGGGCAGAGCCTGAGCGGACATGGAGGAGCTGTGTCTCTTGATGAGATGACGATAGCTGT	300
Db	1238	GGGGCAGAGCCTGAGCGGACATGGAGGAGCTGTGTCTCTTGATGAGATGACGAGAGCTGT	1179
QY	301	GAGGTGAATGAGCGCAGAGTACCTTGATGAGAGACCTTTTAAACCAATTGACAGGCTCTG	360
Db	1178	GAGGTGAATGAGCGCAGAGTACCTTGATGAGAGACCTTTTAAACCAATTGACAGGCTTTTG	1119
QY	361	TGCCGCTGTGATGACGGTGTGCTTTCACCTGTGCTGCCGCTGTGTGCAATGAGAGATGTGGAGCTG	420
Db	1118	TGCCGCTGTGATGACGGTGTGCTTTCACCTGTGCTGCCGCTGTGTGCAATGAGAGATGTGGAGCTG	1055
QY	421	CCGAGCTGTGGATGATGCCACGACGCCCAAGAAATACAGGTGCACGAGAAAGTGTGCCCCGAG	480
Db	1058	CCGAGCTGTGGATGATGCCACGACGCCCAAGAAATACAGGTGCACGAGAAAGTGTGCCCCGAG	999
QY	481	TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCACGCGCAAGACAC	537
Db	998	TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCACGCGCAAGACAC	939
QY	538	CAACTTTCTGCGCTTGTGACTCTCTGCTCTGTCTATGTCTCTTGTCCAAATTGGAGACAC	597
Db	938	CAACTTTCTGCGCTTGTGACTCTCTGCAATGTGCCATGTGCCCTCTGTCCAAACTGGAGACAC	879
QY	598	GCCGTGGGCCCCGCTGCAACCAACCTGTGGGCTGGGACAT	635
Db	878	GCCGTGGGCCCCGCTGCTCAACCAACCTGTGGGCTGGGACAT	861

```

RESULT 3
US-09-182-145-13
Sequence 13, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 13
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-13

```

Query Match	67.7%;	Score 430.2;	DB 4;	Length 1293;
Best Local Similarity	79.8%;	Pred. No. 1.6e-105;		

Matches 507; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

Oy	1	ATGAGGGGACGCCACTGATCATTTTGTGGCACTTCTTCCTGCTGCTCTCTCAATG	60
Db	22	ATGAGGGGACACCGAAGACCCTCTCTGGCTTCTCCCTCTCTGCTCTCTCTCAAG	81
Oy	61	GTGTGTGCCACCTGTGGCCGACACCTGTATCTGTCTTGGACACCACTCCAGTGGCCA	120
Db	82	GTGCGTATCCCAAGCTGTGGCCCGACACATGTATCTGCCCCCTGGCCACTGCCCGATGGCCG	141
Oy	121	CAGGGGGGTAACCCCTGCTGCTGGAATGGCTGTATGGCTGTGCTTAAAGTGTGGACGAGGCTG	180
Db	142	CTGGAGATACCCCTGTGTGTCTGATATGGCTGTGTGGCTGTCCCGAGTATGTGCACGGGGCTG	201
Oy	181	GGGGAGTCTCTGACACCACTGCATGTCTGCACACCCACGACGAGGCTGTGTTGTCAGCT	240
Db	202	GGGAGAGCCCTGACCACTCCACGCTGTGCACGCGACACGAGGCTGTGTCTGCCAGGCC	261
Oy	241	GGGGAGGCCCCGTGGCGGCATATGGGCTGTGTCTCTTTGGATGAGGATGACGGTATGCTGT	300
Db	262	GGGGAGGACCCGGTGGCGGCCGGGGGGCCCTGTGCTCTTGGGACGAGAGACGACGCGCTGT	321
Oy	301	GAGGTGATATGGCCCGAGGTACCTGTGATGAGAGACCTTTAAACCAATTGGACAGGTCCTG	360
Db	322	GAGGTGAACGGCCGCTGTATATGGGAAAGGGAGACCTTCCAGCCCTCACTGCACGATCCGC	381
Oy	361	TGCCGCTATGATGACGATGTGCTTCACTGCTGCGGCTGTGTGACATGAGGATATGTGAGCTG	420
Db	382	TGCCGCTGAGGAGAGGGCGGGCTTCACTGTGCGTGGCGGCTGTGTGACGAGAGATGTGCGGCTG	441
Oy	421	CCCACTGGGACTGCCCAAGCCCTCCAAAGAAATCAAGGTGCCAGAGAAATGTCTGCCCCGAG	480
Db	442	CCCACTGGGACTGCCCCACCCCAAGAGGGGTGAGGATCTGTGGGAAATGTGCTGCCCTAG	501
Oy	481	TGGGTATGTGACCAAGAGGTGACACCGGCGATCTCAGGCTCCACAGGCCCAAGACACGAA	540
Db	502	TGGGTGTGGGACCAAGAGGGGGAGCTGGGGACCCAGCCCTTCCAGCCCAAGAGACCCAG	561
Oy	541	CTTTCGACCTTGTCACTCTGCTCTGTGCTGTATGCTCTTGTCCAAATTGAGACAGGCC	600
Db	562	TTTTTCGACCTTGTCTTCTTCCCTGCCCCCTGGCTGTCTCCCTGCCCCAGAAATGAGACAGGCC	621
Oy	601	TGGGGCCCTGTGTCAACCAACCTGTGGGCGTGGGCAAT	635
Db	622	TGGGACCTGTGTGACCAACCTGTGGGCTGGGCAAT	656

RESULT 4
US-09-182-145-14/C

```

/ GENERAL INFORMATION:
/ APPLICANT: Borstein, David A.
/ APPLICANT: Cohen, Robert
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Lawrence, David A.
/ APPLICANT: Levine, Arnold J.
/ APPLICANT: Pennica, Diane
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/09/182,145B
/ CURRENT FILING DATE: 1998-10-29
/ EARLIER APPLICATION NUMBER: US 60/063,704
/ EARLIER FILING DATE: 1997-10-29
/ EARLIER APPLICATION NUMBER: US 60/073,612
/ EARLIER FILING DATE: 1998-02-04
/ EARLIER APPLICATION NUMBER: US 60/081,695
/ EARLIER FILING DATE: 1998-04-14
/ NUMBER OF SEQ ID NOS: 156

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; SEQ ID NO 14
; LENGTH: 1293
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-14
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Query Match	67.74;	Score	430.2;	DB	4;	Length	1293;
Best Local Similarity	79.84;	Pred.	No. 1,6e-105;				
Matches	507;	Conservative	0;	Mismatches	128;	Indels	0;
						Gaps	0;

QY	1	ATAGAGGGGACAGCCACATGATCTCAATCTTTGGGCACTTCTCCCTGCTCTGCTCTCTCATATG	60
Db	1272	ATGAGAGGACACCGGAAGACCCACTCTGGCCCTTCTCCCTGCTCTGCTCTCTCAAG	1213
QY	61	GTGTGTGCCACGCTGTGTGCCGACACCCCTGTAACCTGTCTTGGACACCAACCCAGTGC	120
Db	1212	GTGGGTACCCAGCTGTGTCCCGACACATGTATACCTGCCCCCTGGCCACCTCCCGATG	1153
QY	121	CAGGGGGATACCCCTGTGTGTGGATGAGCGCTGTGGCTGTGTAAGTGTGTGCACGAGGCTG	180
Db	1152	CTGGAGATACCCCTGTGTGTGGATGAGCGCTGTGGCTGTGTAAGTGTGTGCACGAGGCTG	1093
QY	181	GGGAGTCTGTGCACCACTGATGTGTGCAGCCCGACCGACGAGGCTGTGTTCAGCCT	240
Db	1092	GGGAGGCTGTGCACCACTGATGTGTGCAGCGCCGACGAGGCTGTGTTCAGCAGCC	1033
QY	241	GGGCGAGCCCTGGCGGCGCATGGGGCTGTGTCTCTTTGATATGAGATGACGTATGCTGT	300
Db	1032	GGGCGAGGACCCGGGTGGCCGGGGGGCCCTGTGTCTCTTGGATGAGGACGACAGAGCTGT	973
QY	301	GAGGTGAATGGCCGCGCAGGTATCTGGATGAGAGACCTTTAAACCAATTGCAGGATCTGTG	360
Db	972	GAGGTGAACGGCCCGCTGTATCTGGAGAGAGGAGACCTTCCAGCCCGACTGAGACATCCG	913
QY	361	TGCCGCTGTATGACGATGTGCTTCACTTGCCTTGCCTGTGTGCAATGAGATGTGTGCGCTG	420
Db	912	TGCCGCTGTGACGACGCGGCTTCACTTGCCTTGCCTGTGTGCAACGAGATGTGTGCGCTG	853
QY	421	CCGAGCTGTGACCTCCCAACCGCCCAAGAAATTAAGGTGCCAGAAAGTGTGTGCCCGAG	480
Db	421	CCGAGCTGTGACCTCCCAACCGCCCAAGAAATTAAGGTGCCAGAAAGTGTGTGCCCGAG	480
QY	852	CCGAGCTGTGACCTCCCAACCGCCCAAGAGGATCGAGGCTCTGGGCAATGTCTTCCCTGAG	793
Db	792	TGGGTGTGCGGACCAAGAGAGGGAGCTGGGAGCCAGGCCCTTCCAGCCCAAGAGACCCAG	733
QY	541	CTTTCTGCTTGTCACTCTGCTCTGTGTGTGTCTCTTGTCCAAATTGAGAGACAGCC	600
Db	732	TTTCTGTGCTTGTCTCTTCTCTTCCCTGCTCCCTGTGTCTCCCTGTGCCAGATGAGACAGCC	673
QY	601	TGGGGCCCTGTCAACCACTGTGGGTGGGAT	635
Db	672	TGGGACCTGTCTGACCACTGTGGGTGGGAT	638

RESULT 5
US-09-182-145-38
; Sequence 38, Application US/09182145B

```

1 GENERAL INFORMATION:
2 APPLICANT: Botstein, David A.
3 APPLICANT: Cohen, Robert
4 APPLICANT: Goddard, Audrey
5 APPLICANT: Gurney, Austin L.
6 APPLICANT: Hillan, Kenneth J.
7 APPLICANT: Lawrence, David A.
8 APPLICANT: Levine, Arnold J.
9 APPLICANT: Pennica, Diane
10 APPLICANT: Roy, Margaret Ann
11 APPLICANT: Wood, William I.
12 TITLE OF INVENTION: MSP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
13 FILE REFERENCE: P1176R2
14 CURRENT APPLICATION NUMBER: US/09/162,145B
15

```


Db 610 TGGGAGACCTGCTGACCACTGTGGCTGGGCAT 644

RESULT 7

US-09-023-655-790
Sequence 790, Application US/09023655
Patent No. 6607879

GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
CLASSIFICATION:
FILING DATE: HEREWITH
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0001 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 790:

SEQUENCE CHARACTERISTICS:

LENGTH: 647 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: LUNGCTUR02

CLONE: 692911

US-09-023-655-790

Query Match 35.1%; Score 222.8; DB 4; Length 647;
Best Local Similarity 78.2%; Pred. No. 2.6e-50;
Matches 280; Conservative 0; Mismatches 77; Indels 1; Gaps 1;

QY 278 TCGATGAGATGACGTGATGAGTGAATGCGCAGATACCTGATGAGAGACT 337
Db 10 TGGGAGGAGGACGAGAGCTGTGAGGTGAACGCGCTGTATCGGAGAGGAGACT 69
QY 338 TTAAACCAATTGACAGGAGTCTGTGCGCTGTGTGATGACGATGAGTGTGCTGCGC 397
Db 70 TCCAGCCCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 129
QY 398 TGTGACATGAGATGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 457
Db 130 TGTGACATGAGATGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 189
QY 458 TGCAGAGAAATGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 517
Db 190 TCTGAGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 248
QY 518 GCTCCAGGCGCAAGGACCACTTTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 577

Db 249 CCGTTCAGCCCAAGGACCCAGTTTCTGAGCTTGTCTTCCCTGCCCCCTGTGTC 308

QY 578 CTGTCACCAATTGAGGACAGCTGAGGACCCCTGCTCAACCACTGTGAGCTGAGCAT 635

Db 309 CTTGCCAGATGAGACAGGCTGTGGAGACCTCTGACACCACTGTGAGCTGAGCAT 366

RESULT 8

US-08-167-628-1
Sequence 1, Application US/08167628
Patent No. 5408040

GENERAL INFORMATION:

APPLICANT: Grolendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Judas & Lublitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/07/752,427
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Wetherell, Jr. Ph.D., John W.

REGISTRATION NUMBER: 31,678

REFERENCE/DOCKET NUMBER: PD-1294

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-455-5100

TELEFAX: 619-455-5110

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2075 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULAR TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: DB60R32

FEATURE:

NAME/KEY: CDS

LOCATION: 130..1177

US-08-167-628-1

Query Match 20.1%; Score 127.6; DB 1; Length 2075;
Best Local Similarity 55.0%; Pred. No. 8.8e-25;
Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;

QY 102 GACACCAACCCCACTGACCAAGGAGGATACCCCTGATGATGATGATGATGATGATG 161
Db 243 GCCGCGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 302
QY 162 AGTGTGTCAGGAGGCTGAGGAGGATCTTGCAGACCACTGATGCTGCAACCCCA 221
Db 303 CGTCTGCGCAAGAGCTGAGGAGGATGTCACACGAGCGGACCCCTGCAACCCCA 362
QY 222 GAGGCTGCTTGTGTCAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGG 281
Db 363 GAGGCTTCTTGTGATCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 419

Qy	28	TGAGATGACGGTAGCTGTGAGGTGAATGCGCGACGTACTGGATGGAGACCTTTAA	341
Db	420	CAAAAGTGTGCTCCTCGATCTTGGGTGTATCGGTGTAACCGCAGCGAAGTCTTTCA	479
Qy	342	ACCCAAATTGACGGGTCTGTGCCTGTGTATGACGGTGGCTTACCTGCTCGCGTGTG	401
Db	480	GACGAGCTGCAATTACCACTGACGCGCTCGAACGGGCGGGTGGAGCTCAAGCCCTGTG	539
Qy	402	CAGTGAAGATGTGCGGCTGCCAGCTGGGACTGGCCACGCCCCAAAGAAATACAGTGGC	461
Db	540	CAGATGACGTTGTGCTGCCACGCCCTGACTGCCCCCTCCGAGAGGGGTCAAGCTGCC	599
Qy	462	AGGAAAGTGTGCCCGGAGTGGGTATGTATCCAGGGAATGACACCGGGATCCAGGCTC	521
Db	600	CGGGAATGTCTGGAGAGGTGGGTGTGTGACAGGCCAAGAACCAACCGTGTGGGCC	659
Qy	522	CAGGGGCAAGGACACCAACTTTTGGCCCTGTGCACTCTGTGCTCTGC-----TGATGC	575
Db	660	TGCCCTCGGGCTTACCTGACCTGGAAACAAGTTTGGCCCAAGCCCACTATGATTAAAGC	719
Qy	576	TCCTTGTCCAAATTGGAGCACAGCTGGGGCCCTGCTCAACACCTGTGGACTGGGCAT	639
Db	720	CAACTGCTGTGTCAACACCAAGAGTGGAGGCCCTGTTCCAAGACCTGTGGGATGGGCAT	779

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1      RESULT 9
2      US-08-386-680-1
3      Sequence 1, Application US/08386680
4      Patent No. 5586270
5      GENERAL INFORMATION:
6      APPLICANT: Grotenodet, Gary R.
7      APPLICANT: Bradham Jr., Douglas M.
8      TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
9      NUMBER OF SEQUENCES: 2
10     CORRESPONDENCE ADDRESS:
11     ADDRESSSEE: Spensley Horn Jubs & Lubitz
12     STREET: 4225 Executive Square, Suite 1400
13     CITY: La Jolla
14     STATE: CA
15     COUNTRY: US
16     ZIP: 92037
17     COMPUTER READABLE FORM:
18     MEDIUM TYPE: Floppy disk
19     COMPUTER: IBM PC compatible
20     OPERATING SYSTEM: PC-DOS/MS-DOS
21     SOFTWARE: Patent In Release #1.0, Version #1.25
22     CURRENT APPLICATION DATA:
23     APPLICATION NUMBER: US/08/386,680
24     FILING DATE: 10-FEB-1995
25     CLASSIFICATION: 435
26     PRIOR APPLICATION DATA:
27     APPLICATION NUMBER: US/08/167,628
28     FILING DATE:
29     APPLICATION NUMBER: US/07/752,427
30     FILING DATE:
31     ATTORNEY/AGENT INFORMATION:
32     NAME: Wetherell, Jr. Ph.D., John W.
33     REGISTRATION NUMBER: 31,678
34     REFERENCE/DOCKET NUMBER: PD-1294
35     TELECOMMUNICATION INFORMATION:
36     TELEPHONE: 619-455-5100
37     TELEFAX: 619-455-5110
38     INFORMATION FOR SEQ ID NO: 1:
39     SEQUENCE CHARACTERISTICS:
40     LENGTH: 2075 base pairs
41     TYPE: nucleic acid
42     STRANDEDNESS: single
43     TOPOLOGY: linear
44     MOLECULE TYPE: cDNA
45     IMMEDIATE SOURCE:
46     CLONE: DB60R32
47     FEATURE:
48     NAME/KEY: CDS
49

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Query Match	20.1%	Score 127.6	DB 1	Length 2075
Best Local Similarity	55.0%	Pred. No. 8,8e-25		
Matches 297	Conservative	0	Mismatches 23%	Indels 9
			Gaps	2
102	GACACACACCCAGTGTGCCACAGGGGGTAA	CCCCCTGGTGTGATGAGCTGTGTGCTCTGTA	161	
243	GCCGCGCCGCGCTGTCCCGGGGGCGTGA	CGTGTGTGACCGCTCGCTGTGCTGTGCG	302	
162	AGTGTGTGACAGGAGCTGTGGGGAGTCC	TGGGACACACCTGACATGTCTGTGACCCGACCA	221	
303	CGTGTGCGCCAGACAGCTGGGCGAGCTGT	GCACCGACCGACCCCTGTGACCCGACCA	362	
222	GGGCTGTGTTTGTGAGCCTGTGGGAGAG	CGCCCTGTGCGGACATGGGGGTGTGTCTTTGGA	281	
363	GGGCTCTTCTGTGTGACTTCCGCTCC	CGCGACCAACCGCAAGATCGGCGTGTG---CACCGC	419	
282	TGAGGATGACGCTGTAGCTGTGTAGGTGA	ATGGCCGACAGATACCTGATGTGAGATACCTTTAA	341	
420	CAAGAGATGTGTCTCCCTGTGATCTTGT	GGGTGTACGCTGTACCGACGAGAGATCTTTCCA	479	
342	ACCCAAATTTGACAGGGTCTGTGCGCG	CTGTGATGACGCTGTGACCTTCACTGTGCGCTGTG	401	
480	GAGCAGCTGTGAAGTACAGATGACATG	TCATGCTGTGACGCGGCGGCTGTGATCCTGATCCCTGTG	539	
402	CATGTGAGATGTGCGGCTGTGCCACTGT	GGGACATGTGCCACGCCCCAAGAGATACAGGTGCC	461	
540	CAGCATGTGACCTTGTGTGTGCCACGCG	CTGTGATGCTCTTCCGAGAGGGGTCAAGCTGCC	599	
462	AGGAAGTGTGCGCCCGAGTGGGTATGTGA	CCAGGGAGTGTGACACCGGCGCATCAAGCGCTC	521	
600	CGGAAATGTCTGTGAGAGTGGGTGTGTGA	CGAGGCCAAGACCAACCGTGGTGTGGCC	659	
522	CACGCGCAGAGACACCACTTTCTGCTGT	CACTCTGTGCTCTGTG-----TGATGC	575	
660	TGCCCCCGGCTTACCGACTGTGAAGACA	CGTTTGGCCCGACCCAAACATATGATTGAGC	719	
576	TCTTTGTCAAAATTTGAGACAGCTGTGGG	GGCCCTGTCAACACACTGTGTGGGCTGAGCAT	635	
720	CAACTGCTGTGTCCAGACACAGATGTGAG	CGCTGTTCAAAGACTGTGTGGATGGGCAAT	779	

RESULT 10
 US-08-459-717-1
 Sequence 1, Application US/08459717
 Patent No. 5770209
 GENERAL INFORMATION:
 APPLICANT: Grotenodet, Gary R.
 APPLICANT: Bradham Jr., Douglas M.,
 TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Spensley Horn Jubs & Lubitz
 STREET: 4425 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,717
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/752,427
 FILING DATE: 30-AUG-1991
 ATTORNEY CONTACT INFORMATION:

NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-459-717-1

Query Match 20.1%; Score 127.6; DB 1; Length 2075;
Best Local Similarity 55.0%; Pred. No. 8,8e-25;
Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;

QY 102 GACACACCCCAAGTCCCAAGGAGGATACCCCTGCTGATGATGCTGCTGTAA 161
Db 243 GCCGCGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 302
QY 162 AGTGTGTGACGAGGCTGGGGAGTCTTCCGACCTGATGTCTGCACTCCGACCA 221
Db 303 CGTCTGCGCCAGCAGCTGGGCGAGCTGTGCACTGACCGCGGACCCCTGCGACCA 362
QY 222 GGGCTGCTTGTGACGCTGGGCGAGGCGCTGCGGCAATGGGGCTGTGTCTTTGA 281
Db 363 GGGCTCTTGTGACTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 419
QY 282 TGAGATGACGATGCTGTGATGATGATGATGATGATGATGATGATGATGATGAT 341
Db 420 CAAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 479
QY 342 ACCCAATTGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 401
Db 480 GACAGCTGCAAGTACGATGACGATGACGATGACGATGACGATGACGATGACGAT 539
QY 402 CAGTGAAGATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 461
Db 540 CACATGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 599
QY 462 AGGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 521
Db 600 CGGGAATGCTGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 659
QY 522 CACGCGGCAAGACCACTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 575
Db 660 TGCCCTGCGGCTTACCGATGGAAGACATGTTGGCCAGACCAACATATGATT 719
QY 576 TCTTGTCAAATTTGAGACACGCTGGGGCCCTGCTCAACCACTGTGGGCTG 635
Db 720 CAACCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 779

RESULT 11
US-08-712-302-1
Sequence 1, Application US/08712302
Patent No. 5781187
GENERAL INFORMATION:
APPLICANT: Grolendore, Gary R.
APPLICANT: Briadham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSER: Spanley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,302
FILING DATE: 11-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/386,680
FILING DATE: 10-FEB-1995
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-712-302-1

Query Match 20.1%; Score 127.6; DB 1; Length 2075;
Best Local Similarity 55.0%; Pred. No. 8,8e-25;
Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;

QY 102 GACACACCCCAAGTCCCAAGGAGGATACCCCTGCTGATGATGCTGCTGTAA 161
Db 243 GCCGCGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 302
QY 162 AGTGTGTGACGAGGCTGGGGAGTCTTCCGACCTGATGTCTGCACTCCGACCA 221
Db 303 CGTCTGCGCCAGCAGCTGGGCGAGCTGTGCACTGACCGCGGACCCCTGCGACCA 362
QY 222 GGGCTGCTTGTGACGCTGGGCGAGGCGCTGCGGCAATGGGGCTGTGTCTTTGA 281
Db 363 GGGCTCTTGTGACTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 419
QY 282 TGAGATGACGATGCTGTGATGATGATGATGATGATGATGATGATGATGATGAT 341
Db 420 CAAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 479
QY 342 ACCCAATTGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 401
Db 480 GACAGCTGCAAGTACGATGACGATGACGATGACGATGACGATGACGATGACGAT 539
QY 402 CAGTGAAGATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 461
Db 540 CACATGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 599
QY 462 AGGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 521
Db 600 CGGGAATGCTGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 659

QY 522 CACGGCGAAGACACCACTTCTGCCCTTGTCACTCTGCTCTGCG-----TGATGC 575
DB 660 TGCCCTCGCGCTTACCACTGGAAGACAGCTTGGCCCAACCACTATGATTAAGC 719
QY 576 TCCTTGTCCAAATTGGAGCAGAGCTGGGGGCCCTGCTCAACCACTGTGGGCTGGGCA 635
DB 720 CAACTGCTGTGTCAGACCAAGAGTGGAGCGCTGTTCAGAGCTGTGGGATGGGCA 779

RESULT 12

US-08-880-031-1
; Sequence 1, Application US/08880031
; Patent No. 5916756
; GENERAL INFORMATION:
; APPLICANT: Grotendorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/880,031
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,628
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: DB60R32
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..1177
; US-08-880-031-1

Query Match 20.1%; Score 127.6; DB 2; Length 2075;
Best Local Similarity 55.0%; Pred. No. 8.8e-25;
Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;
QY 102 GACACCAACCCAGTCCCAACAGGGGGGATCCCTGTGCTGATGCTGTGCTGTGTA 161
DB 243 GCCGCGCGCGCTCCCGCGCGCGGTGAGCTCTGTGTGACGGCTGCGCTGTGCG 302
QY 162 AGTGTGTGACGAGAGCTGGGGAGTCCCGACCACTGATGTCTGCGACCCGACCA 221
DB 303 CATTCTGCCAAGCAGAGCTGGGAGCTGTGACACGAGCCGACCCCTGGAGCCGACA 362
QY 222 GGGCCTGTGTTGTCAAGCTTGGGAGGCGCTGGCGGCAATGGGGCTGTGTCTTGA 281
DB 363 GGGCCTCTTGTGTGACTTGCGCTCCCGGCAACGCAAGATGGCGTGTG---CACCG 419

QY 282 TGAGATGACGATGCTGTGAGTGAATGGCCGAGTACCTTGATGAGAGACCTTAA 341
DB 420 CAAAGATGTGCTCCCTGTGACATCTTGATGTACGGTGTACGAGCGAAGTCTTCA 479
QY 342 ACCCAATTGACGAGGTCTGTGCGCTGTGATGACAGGTGCTTCACTGCTGCGCTGTG 401
DB 480 GAGTAGCTGTAAGTACCACTGACAGTCCCTGGAACGGAGCGGTGGGCTGCACTGCCCTGTG 539
QY 402 CAGTGAAGATGTGCGCTGCCAGCTGGGACTGCCACCGCCCAAGAGAAATACAGGTGCC 461
DB 540 CAGATGAGAGTGTGTGTGCTGCTGAGCCCTGACTGCTGCCCTTCCGAGAGGCTCAAGTGGC 599
QY 462 AGGAAATGCTGCCCCAGATGGGTATGTATCAGAGAGTACACCGCGATCCAGCGCTG 521
DB 600 CGGAAATGTCTGGAGAGATGGGTGTGTGACGAGCCCAAGAACCAACCGTGTGGGCC 659
QY 522 CACGGCGAAGACACCACTTCTGCCCTTGTCACTCTGCTCTGCG-----TGATGC 575
DB 660 TGCCCTCGCGCTTACCACTGGAAGACAGTTTGGCCCAACCACTATGATTAAGC 719
QY 576 TCCTTGTCCAAATTGGAGCAGAGCTGGGGCCCTGCTCAACCACTGTGGGCTGGGCA 635
DB 720 CAACTGCTGTGTCAGACCAAGAGTGGAGCGCTGTTCAGAGCTGTGGGATGGGCA 779

RESULT 13

US-09-097-179-1
; Sequence 1, Application US/09097179
; Patent No. 6149916
; GENERAL INFORMATION:
; APPLICANT: Grotendorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/097,179
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,680
; FILING DATE: 10-FEB-1995
; APPLICATION NUMBER: US/08/167,628
; FILING DATE:
; APPLICATION NUMBER: US/07/752,427
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:

CLONE: DB60R32
 FEATURE: CDS
 NAME/KEY: 130..1177
 LOCATION: 130..1177
 US-09-097-179-1

Query Match 20.1%; Score 127.6; DB 3; Length 2075;
 Best Local Similarity 55.0%; Pred. No. 8.8e-25;
 Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;

102 GACACCAACCCAGTGGCCACAGAGGAGTACCCCTGATGCTGATGAGTGTGCTGTGTA 161
 243 GCCGGGCGCGCGTGGCCGGGGCGGAGCCTGTGAGAGGCTGGCGCTGGCGG 302
 162 AGTGTGTCACGAGAGGCTGGGGAGTCTTCCGACCTGACATGTCTGCGACCCAGCCA 221
 303 CGTCTGGCCACAGCTGGGGCAGCTGTCCACGAGCGGACCCCTGCGACCCGACACA 362
 222 GGGCTGGTTTGTCAAGCTGGGGCAGGCGCTGGCGGCAATGGGGCTGTGTCTTTGA 281
 363 GGGCTCTTCTTGTGACTTCCGCTCCCGGCAACCGGAGATGGGCTGTG---CACCG 419
 282 TGAGATGACGATGCTGTGAGTGAATGCGCGAGGTACTGTGATGAGAGACTTTAA 341
 420 CAAGATGATGCTCCCTGCACTTCCGATGTAAGTGTACCGAGCGAGAGTCTTCCA 479
 342 ACCAATTGACGAGTCTGTGCGCTGTATGACGATGAGCTTCACTGCTGCGCTGTG 401
 480 GAGAGCTGCAAGTACCAAGTGCAGTGTCTGACGAGGCGGCTGTGCTGTGCTGTG 539
 402 CAGTGGAGATGTCGCGCTGCGCCAGCTGGGACTGGCCACCGCCCAAGAAATACAGGTGCC 461
 540 CAGATGACGATGCTGTGCTGCGCCAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 599
 462 AGGAAGTGTGCTGCGCCAGTGGGTATGTGACAGAGAGTGAACCGCGCATCCAGCGCTC 521
 600 CGGGAATGCTGAGAGAGTGGGTGTGTGACGAGCCCAAGACCAACCGTGTGTGGGC 659
 522 CACGGCGCAAGACACCACTTTCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 575
 660 TGCCCTCGCGGCTTACCGATGAGAGACAGCTTGGGCCAGACCAATATGATTGAGG 719
 576 TCCCTGCAAAATTGAGAGCAGCCTGGGGCCCTGCTCAACACGTCGGGCTGGGCAT 635
 720 CAATGCTGTGTCAGACCAAGTGAAGAGGCTGTTCAGAGCTGTGGATGGGCAT 779

RESULT 14

US-09-080-715-1
 Sequence 1, Application US/09080715
 Patent No. 6190884
 GENERAL INFORMATION:
 APPLICANT: Groendorst, Gary R.
 APPLICANT: Bradham Jr., Douglas M.
 TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Spensley Horn Jubas & Lubitz
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/080,715
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/167,628
 FILING DATE: US/07/752,427
 APPLICATION NUMBER: US/07/752,427
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Metterell, Jr. Ph.D., John W.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: PD-1294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-455-5110
 TELEFAX: 619-455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2075 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-09-080-715-1

Query Match 20.1%; Score 127.6; DB 3; Length 2075;
 Best Local Similarity 55.0%; Pred. No. 8.8e-25;
 Matches 297; Conservative 0; Mismatches 234; Indels 9; Gaps 2;

102 GACACCAACCCAGTGGCCACAGAGGAGTACCCCTGATGCTGATGAGTGTGCTGTGTA 161
 243 GCCGGGCGCGCGTGGCCGGGGCGGAGCCTGTGAGAGCTGTGAGAGCTGGCGCTGGCGG 302
 162 AGTGTGTCACGAGAGGCTGGGGAGTCTTCCGACCTGACATGTCTGCGACCCAGCCA 221
 303 CGTCTGGCCACAGCTGGGGCAGCTGTCCACGAGCGGACCCCTGCGACCCGACACA 362
 222 GGGCTGGTTTGTCAAGCTGGGGCAGGCGCTGGCGGCAATGGGGCTGTGTCTTTGA 281
 363 GGGCTCTTCTTGTGACTTCCGCTCCCGGCAACCGGAGATGGGCTGTG---CACCG 419
 282 TGAGATGACGATGCTGTGAGTGAATGCGCGAGGTACTGTGATGAGAGACTTTAA 341
 420 CAAGATGATGCTCCCTGCACTTCCGATGTAAGTGTACCGAGCGAGAGTCTTCCA 479
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 480 GAGAGCTGCAAGTACCAAGTGCAGTGTCTGACGAGGCGGCTGTGCTGTGCTGTG 539
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 540 CAGATGACGATGCTGTGCTGCGCCAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 599
 462 AGGAAGTGTGCTGCGCCAGTGGGTATGTGACAGAGAGTGAACCGCGCATCCAGCGCTC 521
 600 CGGGAATGCTGAGAGAGTGGGTGTGTGACGAGCCCAAGACCAACCGTGTGTGGGC 659
 522 CACGGCGCAAGACACCACTTTCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 575
 660 TGCCCTCGCGGCTTACCGATGAGAGACAGTTTGGCCAGACCAATATGATTGAGG 719
 576 TCCCTGCAAAATTGAGAGCAGCCTGGGGCCCTGCTCAACACCTGTGGGCTGGGCAT 635
 720 CAATGCTGTGTCAGACCAAGTGAAGAGGCTGTTCAGAGCTGTGGATGGGCAT 779

RESULT 15

US-09-142-569-7
 Sequence 7, Application US/09142569
 Patent No. 6413735
 GENERAL INFORMATION:
 APPLICANT: Lau, Lester F.
 TITLE OF INVENTION: Extracellular Matrix Signaling Molecules

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 05:00:41 ; Search time 282.035 Seconds
(without alignments)
10199.232 Million cell updates/sec

Title: US-10-010-408-3_COPY_1_635

Perfect score: 635
Sequence: 1 ATGAGGAGGAGCCACTGAT.....ACCACTGTGGCTGGGCAT 635

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications_NA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	635	100.0	753	US-10-010-408-3	Sequence 3, Appl
2	635	100.0	1708	US-10-010-408-1	Sequence 1, Appl
3	566	89.1	681	US-10-010-408-12	Sequence 12, Appl
4	553.2	87.1	1734	US-10-112-267-17	Sequence 17, Appl
5	553.2	87.1	1734	US-10-112-267-18	Sequence 18, Appl
6	430.2	67.7	1266	US-10-147-493-319	Sequence 319, App
7	430.2	67.7	1266	US-10-145-127-319	Sequence 319, App
8	430.2	67.7	1266	US-10-160-503-319	Sequence 319, App
9	430.2	67.7	1266	US-10-143-118-319	Sequence 319, App
10	430.2	67.7	1266	US-10-144-993-319	Sequence 319, App
11	430.2	67.7	1266	US-10-158-787-319	Sequence 319, App
12	430.2	67.7	1266	US-10-140-024-319	Sequence 319, App
13	430.2	67.7	1266	US-10-140-808-319	Sequence 319, App
14	430.2	67.7	1266	US-10-152-405-319	Sequence 319, App

15	430.2	67.7	1266	13	US-10-127-852A-319	Sequence 319, App
16	430.2	67.7	1266	13	US-10-127-900A-319	Sequence 319, App
17	430.2	67.7	1266	13	US-10-128-685A-319	Sequence 319, App
18	430.2	67.7	1266	13	US-10-131-820A-319	Sequence 319, App
19	430.2	67.7	1266	13	US-10-142-886-319	Sequence 319, App
20	430.2	67.7	1266	13	US-10-146-728-319	Sequence 319, App
21	430.2	67.7	1266	13	US-10-146-786-319	Sequence 319, App
22	430.2	67.7	1266	13	US-10-147-493-319	Sequence 319, App
23	430.2	67.7	1266	13	US-10-157-798-319	Sequence 319, App
24	430.2	67.7	1266	15	US-10-028-072-319	Sequence 319, App
25	430.2	67.7	1266	15	US-10-121-043-319	Sequence 319, App
26	430.2	67.7	1266	15	US-10-123-904-319	Sequence 319, App
27	430.2	67.7	1266	15	US-10-140-470-319	Sequence 319, App
28	430.2	67.7	1266	15	US-10-175-746-319	Sequence 319, App
29	430.2	67.7	1266	15	US-10-176-921-319	Sequence 319, App
30	430.2	67.7	1266	15	US-10-176-921-319	Sequence 319, App
31	430.2	67.7	1266	15	US-10-137-865-319	Sequence 319, App
32	430.2	67.7	1266	15	US-10-140-474-319	Sequence 319, App
33	430.2	67.7	1266	15	US-10-142-431-319	Sequence 319, App
34	430.2	67.7	1266	15	US-10-143-114-319	Sequence 319, App
35	430.2	67.7	1266	15	US-10-140-002-319	Sequence 319, App
36	430.2	67.7	1266	15	US-10-142-419-319	Sequence 319, App
37	430.2	67.7	1266	15	US-10-123-262-319	Sequence 319, App
38	430.2	67.7	1266	15	US-10-142-423-319	Sequence 319, App
39	430.2	67.7	1266	15	US-10-121-050-319	Sequence 319, App
40	430.2	67.7	1266	15	US-10-141-755-319	Sequence 319, App
41	430.2	67.7	1266	15	US-10-143-032-319	Sequence 319, App
42	430.2	67.7	1266	15	US-10-123-108-319	Sequence 319, App
43	430.2	67.7	1266	15	US-10-123-236-319	Sequence 319, App
44	430.2	67.7	1266	15	US-10-123-261-319	Sequence 319, App
45	430.2	67.7	1266	15	US-10-140-921-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-3
Sequence 3, Application US//10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castelli, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: LAHYE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandigouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

Db 669 CCCAGCTGGAGCTGCCACGCCCCAAGAAATACAGTGCACAGAAAGTGTCCCGGAG 728
QY 481 TGGGTATGTGACCGAGGAGTGTACACCGGCGATCCAGGCTCCACGGGCGAAGGACCA 540
Db 729 TGGGTATGTGACCGAGGAGTGTACACCGGCGATCCAGGCTCCACGGGCGAAGGACCA 788
QY 541 CTTTTCGCCCTTGTGACCTCTGCTGTGATGCTCTTGTTCAAATTTGAGACAGCC 600
Db 789 CTTTTCGCCCTTGTGACCTCTGCTGTGATGCTCTTGTTCAAATTTGAGACAGCC 848
QY 601 TGGGGCCCCCTGCTCAACCACTGTGGGCTGGGGCAT 635
Db 849 TGGGGCCCCCTGCTCAACCACTGTGGGCTGGGGCAT 883

RESULT 3

US-10-010-408-12
; Sequence 12, Application US/10010408
; Publication No. US20020165185A1
; GENERAL INFORMATION:
; APPLICANT: John J. Castellot, Jr.
; TITLE OF INVENTION: No. US20020165185A1el Heparin-induced CCN-like Molecules
; and Uses Therefor
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/010,408
; FILING DATE: 07-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/044,273
; FILING DATE: March 19, 1998
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragoras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MBI-004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 681 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..681
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-010-408-12

Query Match 89.1%; Score 566; DB 14; Length 681;
Best Local Similarity 100.0%; Pred. No. 9.9e-161;
Matches 566; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 CAGCTGCGCGAGACACCTGTACCTCTGCTGAGACACACCCAGTCCAGCGGAGGTA 129
Db 1 CAGCTGCGCGAGACACCTGTACCTCTGCTGAGACACACCCAGTCCAGCGGAGGTA 60

QY 130 CCCCTGAGCTGATATGCTGTGTGCTGTCTGTAAAGTGTGTGCAACGAGGCTGGGGAGTCC 189
Db 61 CCCCTGAGCTGATATGCTGTGTGCTGTCTGTAAAGTGTGTGCAACGAGGCTGGGGAGTCC 120
QY 190 TGGACCACTGATGTCTGCGACCCCAAGGCTGTGTTGTGACGCTTGAGGAGGC 249
Db 121 TGGACCACTGATGTCTGCGACCCCAAGGCTGTGTTGTGACGCTTGAGGAGGC 180
QY 250 CCGTGGCGGCGATGGGGGCTGTGTGTCTCTTGTGATGAGGATGAGGATGAGTGAAGT 309
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QY 310 GGCAGCAGTACCTGATGAGAGACCTTTAAACCAATTGAGAGGCTCTGTGCCGCTG 369
Db 241 GGCAGCAGTACCTGATGAGAGACCTTTAAACCAATTGAGAGGCTCTGTGCCGCTG 300
QY 370 GATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 429
Db 301 GATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
QY 430 GACTGCCCAAGCCGCGCAAGATACAGGTGCCAGGAAGTGTGCTGCCGAGTGGATGT 489
Db 361 GACTGCCCAAGCCGCGCAAGATACAGGTGCCAGGAAGTGTGCTGCCGAGTGGATGT 420
QY 490 GACCAAGGAGTACACCGCGCATTCAGCGCTCCACGCGCGCAAGACCAACTTTCTGCC 549
Db 421 GACCAAGGAGTACACCGCGCATTCAGCGCTCCACGCGCGCAAGACCAACTTTCTGCC 480
QY 550 CTTTGTACCTCCCTGCTGT 609
Db 481 CTTTGTACCTCCCTGCTGT 540
QY 610 TGTCTAACCACTGTGGGCTGGGCGAT 635
Db 541 TGTCTAACCACTGTGGGCTGGGCGAT 566

RESULT 4

US-10-112-267-17
; Sequence 17, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-112-267-17

Query Match 87.1%; Score 553.2; DB 15; Length 1734;
Best Local Similarity 92.8%; Pred. No. 8.5e-157;


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? APPLICANT: Smith,Victoria
? APPLICANT: Stewart,Timothy A.
? APPLICANT: Tumas,Daniel
? APPLICANT: Watanabe,Colin K
? APPLICANT: Wood,William
? APPLICANT: Zhang,Zemin
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? TITLE OF INVENTION: ACIDS ENCODING THE SAME
? FILE REFERENCE: P330R1C345
? CURRENT APPLICATION NUMBER: US/10/147,493
? CURRENT FILING DATE: 2002-05-17
? Prior Application removed - See File Wrapper or Paim
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 319
? LENGTH: 1266
? TYPE: DNA
? ORGANISM: Homo Sapien
? US-10-147-493-319

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Best Local Similarity	79.8%	Pred. No. 1,1e-119;		
Matches 507;	Conservative 0;	Mismatches 128;	Indels 0;	Gaps 0;

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RESULT 7
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; Sequence 319, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:

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? APPLICANT: Baker, Kevin P.
? APPLICANT: Beresini, Maureen
? APPLICANT: Deforge, Laura
? APPLICANT: Desnoyers, Luc
? APPLICANT: Flivaroff, Ellen
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerritsen, Mary E.
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Sherwood, Steven
? APPLICANT: Smith, Victoria
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tumas, Daniel
? APPLICANT: Watanabe, Colin K
? APPLICANT: Wood, William
? APPLICANT: Zhang, Zemin
? TITLE OF INVENTION: ACIDS ENCODING THE SAME
? FILE REFERENCE: P330R1C252
? CURRENT APPLICATION NUMBER: US/10/145,127
? CURRENT FILING DATE: 2002-05-13
? Prior Application removed - See File Wrapper or Palm
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 319
? LENGTH: 1266
? TYPE: DNA
? ORGANISM: Homo Sapien
US-10-145-127-319

Query Match 67.7%; Score 430.2; DB 13; Length 1266;
Best Local Similarity 79.8%;
Matches 507; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

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Query Match	67.7%	Score 430.2	DB 13	Length 1266
Best Local Similarity	79.8%	Pred. No. 1.1e-119		
Matches 507	Conservative	0	Mismatches 128	Indels 0
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Db	10	ATGAGAGGCACACCGAAGGCCACTCTGGCTTCTCTCTCTCTCTCTCTCTCTCTCAAG	69	
Qy	61	GTGTGTGCCACTGTGCCGACACCCCTGTACCTGTCTTGGACACACCCCAAGTGGCCA	120	
Db	70	GTGTGTGCCACTGTGCCGACACCACTGTACTGTCTTGGACACACCCCAAGTGGCCA	129	
Qy	121	CAGGGGGTACCCCTGTCTGTGATGGCTGTGCTGTGTAAAGTGTGTGACAGGAGCTG	180	
Db	130	CTGGAGATACCCCTGT	189	
Qy	181	GGGGAGTCTCTGTGACCACTGTGATGTCTGTGACACCCCAAGCCAGGCTGTGTGTGT	240	
Db	190	GGGGAGTCTCTGTGACCACTGTGATGTCTGTGACACCCCAAGGCTGTGTGTGTGTGT	249	
Qy	241	GGGGCAGGCTCTGTGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	300	
Db	250	GGGGCAGGCTCTGTGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	309	
Qy	301	GAGGTGAATGGCCGAGGATCTGTGATGAGAGACTTTTAAATTCAGAGGCTCTG	360	
Db	310	GAGGTGAATGGCCGAGGATCTGTGATGAGAGAGCTTTTAAATTCAGAGGCTCTG	369	
Qy	361	TGTCCGTGTGAGAGAGGT	420	
Db	370	TGTCCGTGTGAGAGAGGT	429	
Qy	421	CCGAGCTGGGACTGTGCCACGCCCCAAGAGATACAGGTGTGACAGGAAAGTCTGCCGAG	480	
Db	430	CCGAGCTGGGACTGTGCCACGCCCCAAGAGAGGTGTGACAGGAAAGTCTGCCGAG	489	
Qy	481	TGGGTATGTGACCAAGGAGTGTACACCGGCTATCCAGGCTTGTGTGTGTGTGTGTGTGT	540	
Db	490	TGGGTATGTGACCAAGGAGT	549	
Qy	541	CTTTTGTGCTGT	600	
Db	550	TTTTTGTGCTGT	609	

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QY 301 GAGGTAAATGGCCGCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 360
Db 310 GAGGTGAACGGCGCTGTATCGGGAAAGGGAGACCTTCCAGCCCACTGACATCCGC 369
QY 361 TGGCGGTGATGACGGTGGCTTCACTGCTGGCGCTGTCAGATGAGATGAGGCGGCG 420
Db 370 TGGCGGTGAGAGACGGCGGCTTCACTGCTGGCGCTGTCAGATGAGATGAGGCGGCG 429
QY 421 CCCAGCTGGGACCTGCGCCAGCCGCGCAAGATACAGGTGCGAGAAAGTGTGCCCGAG 480
Db 430 CCCAGCTGGGACCTGCGCCAGCCGCGCAAGATGAGGTCTGCGGCAAGTGTGCTGAG 489
QY 481 TGGGTATGTGACCGAGGAGTGAACACCGCGATCCAGCGCTCCAAGCGCAGAGACCAA 540
Db 490 TGGGTATGTGACCGAGGAGTGAACACCGCGATCCAGCGCTCCAAGCGCAGAGACCAA 549
QY 541 CTTTGTGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 550 TTTTGTGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 609
QY 601 TGGGCGCCCTGTGCTCAACCACTGTGGGCTGGGCA 635
Db 610 TGGGAGACCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 644

RESULT 10
US-10-144-993-319
; Sequence 319, Application US/10144993
; Publication No. US2004003836A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-144-993-319

Query Match 67.7%; Score 430.2; DB 13; Length 1266;
Best Local Similarity 79.8%; Pred. No. 1.1e-119;
Matches 507; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 1 ATGAGGGAGAGCCCACTGATCCATCTTGGCCACTTCTTCTGCTGCTGCTGCTGCTGCTG 60
Db 10 ATGAGGGAGAGCCCACTGATCCATCTTGGCCACTTCTTCTGCTGCTGCTGCTGCTGCTG 69
QY 61 GTGTGTGCCAGCTGTGCGGAGACCTGTACTGTCTTGAACACACCCAGTGGCCCA 120
Db 70 GTGTGTGCCAGCTGTGCGGAGACCTGTACTGTCTTGAACACACCCAGTGGCCCA 129

QY 121 CAGGGGATACCCCTGTGTGTGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
Db 130 CTGGGAGTACCCCTGTGTGTGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 189
QY 181 GGGAGTCTTGGAGCACTGTGATGTGCGGACCCAGGAGGCTGGATTGTGACCT 240
Db 190 GGGAGTCTTGGAGCACTGTGATGTGCGGACCCAGGAGGCTGGATTGTGACCT 249
QY 241 GGGGAGGCGCTGCGGCGCATGAGGCGTGTGTCTTGTGATGAGATGAGATGAGTGTGCTGT 300
Db 250 GGGGAGGAGACCGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 309
QY 301 GAGGTGAATGCGCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 360
Db 310 GAGGTGAACGGCGGCTGTATGAGGAGAGGAGACCTTCCAGCCCACTGACATCCGC 369
QY 361 TGGCGGTGATGACGGTGGCTTCACTGCTGGCGCTGTCAGATGAGATGAGATGAGGCGGCTG 420
Db 370 TGGCGGTGAGAGACGGCGGCTTCACTGCTGGCGCTGTCAGATGAGATGAGATGAGGCGGCTG 429
QY 421 CCCAGCTGGGACCTGCGCCAGCCGCGCAAGATACAGGTGCGAGAAAGTGTGCCCGAG 480
Db 430 CCCAGCTGGGACCTGCGCCAGCCGCGCAAGATGAGGTCTGCGGCAAGTGTGCTGAG 489
QY 481 TGGGTATGTGACCGAGGAGTGAACACCGCGATCCAGCGCTCCAAGCGCAGAGACCAA 540
Db 490 TGGGTATGTGACCGAGGAGTGAACACCGCGATCCAGCGCTCCAAGCGCAGAGACCAA 549
QY 541 CTTTGTGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 550 TTTTGTGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 609
QY 601 TGGGCGCCCTGTGCTCAACCACTGTGGGCTGGGCA 635
Db 610 TGGGAGACCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 644

RESULT 11
US-10-158-787-319
; Sequence 319, Application US/10158787
; Publication No. US2004003916A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17

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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 06:27:47 ; Search time 52.8912 Seconds

(without alignments)
6662.619 Million cell updates/sec

Title: US-10-010-408-3_COPY_1_635

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Gapop 60.0, Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size: 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database:

Issued Patents NA:*

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- 3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/PTCUS.COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	14.2	1734	4 US-09-182-145-17	Sequence 17, Appl
2	90	14.2	1734	4 US-09-182-145-18	Sequence 18, Appl
3	32	5.0	647	4 US-09-023-655-790	Sequence 790, App
4	32	5.0	738	4 US-09-182-145-38	Sequence 38, Appl
5	32	5.0	841	4 US-09-182-145-39	Sequence 39, Appl
6	32	5.0	1293	4 US-09-182-145-13	Sequence 13, Appl
7	32	5.0	1293	4 US-09-182-145-14	Sequence 14, Appl
8	27	4.3	51	4 US-09-182-145-117	Sequence 117, App
9	19	3.0	372	4 US-09-636-791A-11	Sequence 11, Appl
10	19	3.0	425	4 US-08-747-562-24	Sequence 24, Appl
11	19	3.0	616	3 US-09-385-982-220	Sequence 220, App
12	19	3.0	1196	4 US-09-149-476-225	Sequence 225, App
13	19	3.0	1220	4 US-09-149-476-57	Sequence 57, Appl
14	19	3.0	1514	2 US-09-213-768-1	Sequence 1, Appl
15	19	3.0	1539	4 US-09-668-680-13	Sequence 13, Appl
16	19	3.0	2031	4 US-09-252-991A-12122	Sequence 12122, A
17	19	3.0	2370	4 US-09-252-991A-12196	Sequence 12196, A
18	19	3.0	3120	4 US-09-252-991A-12395	Sequence 12395, A
19	18	2.8	20	2 US-09-213-768-2	Sequence 2, Appl1
20	18	2.8	280	4 US-09-313-294A-742	Sequence 742, App
21	18	2.8	315	4 US-09-313-294A-482	Sequence 482, App
22	18	2.8	1218	4 US-09-252-991A-9482	Sequence 9482, Ap
23	18	2.8	1290	4 US-09-252-991A-9349	Sequence 9349, Ap
24	18	2.8	1422	4 US-09-489-039A-7028	Sequence 7028, App
25	18	2.8	1646	4 US-09-023-655-629	Sequence 629, App
26	18	2.8	1950	4 US-09-489-039A-6971	Sequence 6971, Ap
27	18	2.8	2196	4 US-09-252-991A-9319	Sequence 9319, Ap

C 28	18	2.8	3727	1 US-08-249-380-1	Sequence 1, Appl1
C 29	17	2.7	44	4 US-09-182-145-152	Sequence 152, App
C 30	17	2.7	435	4 US-09-252-991A-7905	Sequence 7905, Ap
C 31	17	2.7	477	4 US-09-252-991A-6506	Sequence 6506, Ap
C 32	17	2.7	480	3 US-09-188-930-206	Sequence 206, App
C 33	17	2.7	480	4 US-09-312-283C-206	Sequence 206, App
C 34	17	2.7	614	3 US-08-998-416-151	Sequence 151, App
C 35	17	2.7	862	4 US-09-489-039A-2691	Sequence 2691, Ap
C 36	17	2.7	886	3 US-09-188-930-36	Sequence 36, Appl
C 37	17	2.7	896	4 US-09-312-283C-36	Sequence 36, Appl
C 38	17	2.7	933	3 US-08-987-743-1	Sequence 1, Appl1
C 39	17	2.7	933	4 US-09-252-991A-6517	Sequence 6517, Ap
C 40	17	2.7	1308	3 US-08-987-743-5	Sequence 5, Appl1
C 41	17	2.7	1596	4 US-09-252-991A-7833	Sequence 7833, Ap
C 42	17	2.7	1740	4 US-09-252-991A-7731	Sequence 7731, Ap
C 43	17	2.7	1743	3 US-08-665-259-20	Sequence 20, Appl
C 44	17	2.7	1743	3 US-08-762-500-20	Sequence 20, Appl
C 45	17	2.7	1821	4 US-09-149-476-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1
US-09-182-145-17
Sequence 17, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Gurdard, Audrey
APPLICANT: Gunney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
EARLIER FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-17

Query Match 14.2%; Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 9.8e-35;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 162 AGTGTGACAGGAGGCTGGGAGAGTCTGCGACCACTTCATGTCTGCAACCCAGCCCA 221
DB 418 AGTGTGACAGGAGGCTGGGAGAGTCTGCGACCACTTCATGTCTGCAACCCAGCCCA 477

QY 222 GGGCTGGTGTTCAGGCTTGGGAGGAGCC 251
DB 478 GGGCTGGTGTTCAGGCTTGGGAGGAGCC 507

RESULT 2
US-09-182-145-18/c
Sequence 18, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:

```

: APPLICANT: Botstein, David A.
: APPLICANT: Cohen, Robert
: APPLICANT: Goddard, Audrey
: APPLICANT: Guiney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Lawrence, David A.
: APPLICANT: Levine, Arnold J.
: APPLICANT: Pennica, Diane
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
: FILE REFERENCE: P1176R2
: CURRENT APPLICATION NUMBER: US/09/182,145B
: CURRENT FILING DATE: 1998-10-29
: EARLIER APPLICATION NUMBER: US 60/063,704
: EARLIER FILING DATE: 1997-10-29
: EARLIER APPLICATION NUMBER: US 60/073,612
: EARLIER FILING DATE: 1998-02-04
: EARLIER APPLICATION NUMBER: US 60/081,695
: EARLIER FILING DATE: 1998-04-14
: NUMBER OF SEQ ID NOS: 156
: SEQ ID NO 18
: LENGTH: 1734
: TYPE: DNA
: ORGANISM: Mus musculus
: US-09-182-145-18

Query Match      14.2% Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 9.8e-35;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      162 AGTGTGTGACGAGAGCTGGGGGAGATCTCTGGACCACTGATGTCTGCAACCCAGCA 221
DB      1317 AGTGTGTGACGAGAGCTGGGGGAGATCTCTGGACCACTGATGTCTGCAACCCAGCA 1258
QY      222 GGGCTGTGTGTGTCAGCCTGGGGGAGGCC 251
DB      1257 GGGCTGTGTGTGTCAGCCTGGGGGAGGCC 1228

RESULT 3
US-09-023-655-790
: Sequence 790, Application US/09023655
: Patent No. 6607879
: GENERAL INFORMATION:
: APPLICANT: Cocks, Benjamin G.
: APPLICANT: Susan G. Stuart
: APPLICANT: Jeffrey J. Seilhamer
: TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
: NUMBER OF SEQUENCES: 1508
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/023,655
: FILING DATE: HERewith
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Zeller, Karen J.
```

```

: REGISTRATION NUMBER: 37,071
: REFERENCE/DOCKET NUMBER: PA-0001 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 855-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ ID NO: 790:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 647 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: LUNGTUT02
: CLONE: 692911
: US-09-023-655-790

Query Match      5.0% Score 32; DB 4; Length 647;
Best Local Similarity 100.0%; Pred. No. 3e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      406 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 437
DB      138 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 169

RESULT 4
US-09-182-145-38
: Sequence 38, Application US/09182145B
: Patent No. 6387657
: GENERAL INFORMATION:
: APPLICANT: Botstein, David A.
: APPLICANT: Cohen, Robert
: APPLICANT: Goddard, Audrey
: APPLICANT: Guiney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Lawrence, David A.
: APPLICANT: Levine, Arnold J.
: APPLICANT: Pennica, Diane
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
: FILE REFERENCE: P1176R2
: CURRENT APPLICATION NUMBER: US/09/182,145B
: CURRENT FILING DATE: 1998-10-29
: EARLIER APPLICATION NUMBER: US 60/063,704
: EARLIER FILING DATE: 1997-10-29
: EARLIER APPLICATION NUMBER: US 60/073,612
: EARLIER FILING DATE: 1998-02-04
: EARLIER APPLICATION NUMBER: US 60/081,695
: EARLIER FILING DATE: 1998-04-14
: NUMBER OF SEQ ID NOS: 156
: SEQ ID NO 38
: LENGTH: 738
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-182-145-38

Query Match      5.0% Score 32; DB 4; Length 738;
Best Local Similarity 100.0%; Pred. No. 3e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      127 GTACCCCTGTGTGTGATGAGCTGTGTGCTG 158
DB      115 GTACCCCTGTGTGTGATGAGCTGTGTGCTG 146

RESULT 5
US-09-182-145-39
: Sequence 39, Application US/09182145B
: Patent No. 6387657
: GENERAL INFORMATION:
: APPLICANT: Botstein, David A.
: APPLICANT: Cohen, Robert
```

```

; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 39
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial sequence
; NAME/KEY: misc_feature
; LOCATION: 1-841
; OTHER INFORMATION: Sequence is synthesized.
; Patent No. 6387657
US-09-182-145-39

Query Match
Best Local Similarity 100.0%; Score 32; DB 4; Length 841;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 406 GAGGATGTGGCGCTGCCCGGAGCTGCC 437
DB 417 GAGGATGTGGCGCTGCCCGGAGCTGCC 448

RESULT 6
US-09-182-145-13
; Sequence 13, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 13
; LENGTH: 1293
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-13

Query Match
Best Local Similarity 100.0%; Score 32; DB 4; Length 1293;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 158
DB 1146 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 1115

RESULT 8
US-09-182-145-117
; Sequence 117, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
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Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 158
DB 148 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 179

RESULT 7
US-09-182-145-14/c
; Sequence 14, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 14
; LENGTH: 1293
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-14

Query Match
Best Local Similarity 100.0%; Score 32; DB 4; Length 1293;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 158
DB 1146 GTACCCCTGTGCTGTGATGGCTGTGCTGCTG 1115

RESULT 8
US-09-182-145-117
; Sequence 117, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
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; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 117
; LENGTH: 51
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1-51
; OTHER INFORMATION: Sequence is synthesized.
; Patent No. 6387657
US-09-182-145-117

Query Match
Best Local Similarity 100.0%; Pred. No. 0.00081;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

132 CCTGGTCTGGATGGCTGGCTCTG 158
1 CCTGGTCTGGATGGCTGGCTCTG 27

RESULT 9
US-09-636-791A-11/C
; Sequence 11, Application US/09636791A
; Patent No. 6503703
; GENERAL INFORMATION:
; APPLICANT: Palese et al
; TITLE OF INVENTION: IDENTIFICATION AND USE OF ANTIVIRAL COMPOUNDS THAT
; TITLE OF INVENTION: INHIBIT INTERACTION OF HOST CELL PROTEINS AND VIRAL
; TITLE OF INVENTION: PROTEINS REQUIRED FOR VIRAL REPLICATION
; FILE REFERENCE: 6923-077-999
; CURRENT FILING DATE: 2000-08-11
; PRIOR FILING DATE: 1999-08-11
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 372
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-791A-11

Query Match
Best Local Similarity 100.0%; Pred. No. 7.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

369 TGATGACGGTGGCTTACC 387
80 TGATGACGGTGGCTTACC 62

RESULT 10
US-08-747-562-24/C
; Sequence 24, Application US/08747562
; Patent No. 6579697
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BOLDIN, Mark
; APPLICANT: METT, Igor
; APPLICANT: VARFOLOMEY, Eugene
; TITLE OF INVENTION: MODULATOR OF TNF/NGF SUPERFAMILY RECEPTORS
; TITLE OF INVENTION: AND SOLUBLE OLIGOMERIC TNF/NGF SUPERFAMILY RECEPTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,562
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05854
FILING DATE: 11-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 109,632
FILING DATE: 11-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 111,125
FILING DATE: 02-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=15A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 425 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-747-562-24

Query Match
Best Local Similarity 100.0%; Pred. No. 7.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

369 TGATGACGGTGGCTTACC 387
118 TGATGACGGTGGCTTACC 100

RESULT 11
US-09-385-982-220/C
; Sequence 220, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: II
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 220
; LENGTH: 616
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(616)
; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-220

Query Match
Best Local Similarity 100.0%; Pred. No. 7.3;
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Db 127 TGATGCGGTGCTTACC 109

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Sequence 225, Application US/09149476
Patent No. 6420526
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APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: PZ002P1
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Sequence 57, Application US/09149476

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APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
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APPLICANT: Brenda F. Baker
TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRY EXPRESSION
FILE REFERENCE: RTS-0026
CURRENT APPLICATION NUMBER: US/09/213,768

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; APPLICANT: Liu, Chenghua
; APPLICANT: Zhou, Ping
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Xue, Aidong J.
; APPLICANT: Xu, Chongjun
; APPLICANT: Dimaec, Radoje T.
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Copyright (c) 1993 - 2004 Compugen Ltd.

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SUMMARIES

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7	90	14.2	1734	15	US-10-112-267-18
8	59	9.3	174	14	US-10-010-408-10
9	32	5.0	199	9	US-09-864-761-23432
10	32	5.0	586	9	US-09-864-761-6638
11	32	5.0	647	17	US-10-641-643-790
12	32	5.0	738	15	US-10-112-267-38
13	32	5.0	841	15	US-10-112-267-39
14	32	5.0	1266	13	US-10-147-493-319

15	32	5.0	1266	13	US-10-145-127-319	Sequence 319, App
16	32	5.0	1266	13	US-10-160-503-319	Sequence 319, App
17	32	5.0	1266	13	US-10-143-118-319	Sequence 319, App
18	32	5.0	1266	13	US-10-144-993-319	Sequence 319, App
19	32	5.0	1266	13	US-10-158-787-319	Sequence 319, App
20	32	5.0	1266	13	US-10-140-024-319	Sequence 319, App
21	32	5.0	1266	13	US-10-140-808-319	Sequence 319, App
22	32	5.0	1266	13	US-10-152-405-319	Sequence 319, App
23	32	5.0	1266	13	US-10-127-852A-319	Sequence 319, App
24	32	5.0	1266	13	US-10-127-900A-319	Sequence 319, App
25	32	5.0	1266	13	US-10-128-685A-319	Sequence 319, App
26	32	5.0	1266	13	US-10-131-820A-319	Sequence 319, App
27	32	5.0	1266	13	US-10-142-886-319	Sequence 319, App
28	32	5.0	1266	13	US-10-146-728-319	Sequence 319, App
29	32	5.0	1266	13	US-10-146-768-319	Sequence 319, App
30	32	5.0	1266	13	US-10-147-499-319	Sequence 319, App
31	32	5.0	1266	13	US-10-157-798-319	Sequence 319, App
32	32	5.0	1266	13	US-10-028-072-319	Sequence 319, App
33	32	5.0	1266	15	US-10-121-049-319	Sequence 319, App
34	32	5.0	1266	15	US-10-123-904-319	Sequence 319, App
35	32	5.0	1266	15	US-10-140-470-319	Sequence 319, App
36	32	5.0	1266	15	US-10-175-746-319	Sequence 319, App
37	32	5.0	1266	15	US-10-176-918-319	Sequence 319, App
38	32	5.0	1266	15	US-10-176-921-319	Sequence 319, App
39	32	5.0	1266	15	US-10-137-865-319	Sequence 319, App
40	32	5.0	1266	15	US-10-140-474-319	Sequence 319, App
41	32	5.0	1266	15	US-10-142-431-319	Sequence 319, App
42	32	5.0	1266	15	US-10-143-114-319	Sequence 319, App
43	32	5.0	1266	15	US-10-140-002-319	Sequence 319, App
44	32	5.0	1266	15	US-10-142-419-319	Sequence 319, App
45	32	5.0	1266	15	US-10-123-262-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-3
Sequence 3, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Casella, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSER: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Releasee #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandrigouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

```

? INFORMATION FOR SEQ ID NO: 3 :
? SEQUENCE CHARACTERISTICS:
?     LENGTH: 753 base pairs
?     TYPE: nucleic acid
?     STRANDEDNESS: single
?     TOPOLOGY: linear
?     MOLECULE TYPE: cDNA
?     FEATURE:
?         NAME/KEY: CDS
?         LOCATION: 1..750
?     SEQUENCE DESCRIPTION: SEQ ID NO: 3 :
US-10-010-408-3

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Query Match	100.0%;	Score 635;	DB 14;	Length 753;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 635;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	TTGAGGGGACAGCCCACTGATCATCTTTCTGGGCACTTTCCTCTCTGCTTCTCATG	60
Db	1	ATGAGGGGACAGCCCACTGATCATCTTTCTGGGCACTTTCCTCTCTGCTTCTCATG	60
QY	61	GTGTGTGCCAGCTGTGTGCCGACACCCCTGTACTCTCTTGGACACACCCCAATGCCCA	120
Db	61	GTGTGTGCCAGCTGTGTGCCGACACCCCTGTACTCTCTTGGACACACCCCAATGCCCA	120
QY	121	CAGGGGGATACCCCTGTGTGTGGATGGCTGTGGCTGTGTAAGTGTGTGACAGAGGCTG	180
Db	121	CAGGGGGATACCCCTGTGTGTGGATGGCTGTGGCTGTGTAAGTGTGTGACAGAGGCTG	180
QY	181	GGGGAGTCTGTGCACACCTGTGATGTGTGCAGCCCCAGCCAGAGGCTTGTTGTACGCT	240
Db	181	GGGGAGTCTGTGCACACCTGTGATGTGTGCAGCCCCAGCCAGAGGCTTGTTGTACGCT	240
QY	241	GGGGCAGAGCCCTGTGGGGCCATGGGCTGTGTCTCTTGGATGAAGATGACGGTAGCTGT	300
Db	241	GGGGCAGAGCCCTGTGGGGCCATGGGCTGTGTCTCTTGGATGAAGATGACGGTAGCTGT	300
QY	301	GAGGTGAATGAGCCGACAGGTACTGGATGGAGAGACCTTTAAACCAATTGCAGGGTCTCG	360
Db	301	GAGGTGAATGAGCCGACAGGTACTGGATGGAGAGACCTTTAAACCAATTGCAGGGTCTCG	360
QY	361	TGCCGCTGTGATGACGGTGGCTTCACTGTGCTGTGCCGTGTGCATGAGGATGTGCGGCTG	420
Db	361	TGCCGCTGTGATGACGGTGGCTTCACTGTGCTGTGCCGTGTGCATGAGGATGTGCGGCTG	420
QY	421	CCCACTGGGATGTGCCACAGCCCAAGAGAAATACAGGTGCCAGAGAAAGTGTGCCCCGAG	480
Db	421	CCCACTGGGATGTGCCACAGCCCAAGAGAAATACAGGTGCCAGAGAAAGTGTGCCCCGAG	480
QY	481	TGGGTATGTGACCAAGGAGTGAACAACGGGATTCAGAGCTCCACGGCCGACAGACACCAA	540
Db	481	TGGGTATGTGACCAAGGAGTGAACAACGGGATTCAGAGCTCCACGGCCGACAGACACCAA	540
QY	541	CTTTGTGCCCTTGTGACTCTCTGTGCTGTGCTCTTGTTCAAATTGAGGACACGCC	600
Db	541	CTTTGTGCCCTTGTGACTCTCTGTGCTGTGCTCTTGTTCAAATTGAGGACACGCC	600
QY	601	TGGGGCCCTGTGCAACCAACCTGTGGGCTGGGGCAT	635
Db	601	TGGGGCCCTGTGCAACCAACCTGTGGGCTGGGGCAT	635

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1 RESULT 2
2 US-10-010-408-1
3 ; Sequence 1, Application US/10010408
4 ; Publication No. US20020165185A1
5 ;
6 ; GENERAL INFORMATION:
7 ;
8 ; APPLICANT: John J. Castellot, Jr
9 ; TITLE OF INVENTION: NO. US20020165185A1 Heparin-Induced Con-Like Molecules
10 ; and Uses Therefor
11 ;
12 ; NUMBER OF SEQUENCES: 13
13 ;
14 ; CORRESPONDENCE ADDRESS:
15 ;
16 ; ADDRESSEE: LAHIVE & COCKFIELD, LLP

```

STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy B. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1708 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1001
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

Query Match	100.0%	Score 635;	DB 14;	Length 1708;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 635; Conservative	0;	Mismatches	0;	Indels 0;
				Gaps 0

QY	1	ATGAGGGGCAACCACCTGATCTTCATCTTTGAGGCACTTCCTCCCTGAGCTCTCCATG	50
Db	249	ATGAGGGGCAACCACCTGATCTTCATCTTTGAGGCACTTCCTCCCTGAGCTCTCCATG	308
QY	61	GTGATGCGCCAGCTGTGCGCGGACACCCGTACCTGTCTTGTGGACACACCCCAAGTCCCA	120
Db	309	GTGATGCGCCAGCTGTGCGCGGACACCCGTACCTGTCTTGTGGACACACCCCAAGTCCCA	368
QY	121	CAGGGGGATCCCTGTGTCTGATGAGCTGTGGCTGTCTGTAAAGTGTGTGCACGAGAGGCTG	180
Db	369	CAGGGGGATCCCTGTGTCTGATGAGCTGTGGCTGTCTGTAAAGTGTGTGCACGAGAGGCTG	428
QY	181	GGGAGTCTCTGACACCACTGTATGTCTGCGAACCCCAACCGAGGCGTGGTTGTGAGCCT	240
Db	429	GGGAGTCTCTGACACCACTGTATGTCTGCGAACCCCAACCGAGGCGTGGTTGTGAGCCT	488
QY	241	GGGGCAGGCCCCGTGGCGGCATGGGGGCTGTGTCTCTTGATGAGAGATGACGGTAGCTGT	300
Db	469	GGGGCAGGCCCCGTGGCGGCATGGGGGCTGTGTCTCTTGATGAGAGATGACGGTAGCTGT	548
QY	301	GAGGTGATGAGCCGACAGGTACTCTGATGAGAGACCTTTAAACCAATTGCAGGGTCTGTG	360
Db	549	GAGGTGATGAGCCGACAGGTACTCTGATGAGAGACCTTTAAACCAATTGCAGGGTCTGTG	608
QY	361	TGCGGCTGTGATGACGATGGCTTCACTGCTGCTGCTGTGTGACATGAGAGATGTGGGCGTG	420
Db	609	TGCGGCTGTGATGACGATGGCTTCACTGCTGCTGCTGTGTGACATGAGAGATGTGGGCGTG	668
QY	421	CCGAGCTGGAGCTGCGCACGCCCCAAGAGATTAAGAGTGCACGAGAAAGTGTGCCGCCGAG	480

TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 210 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..210
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-010-408-8
Query Match 33.1%; Score 210; DB 14; Length 210;
Best Local Similarity 100.0%; Pred. No. 2e-99;
Matches 210; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 70 CAGCTGTGCCGACACCTGTACTCTGCTTGGACACCCCACTGACCCACAGGGGGA 129
1 CAGCTGTGCCGACACCTGTACTCTGCTTGGACACCCCACTGACCCACAGGGGGA 60
DB 130 CCGCTGT 189
61 CCGCTGT 120
QY 190 TGCAGCACCTGTACTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 249
121 TGCAGCACCTGTACTGT 180
DB 250 CCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 279
181 CCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 210
RESULT 5
US-10-010-408-5
Sequence 5, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellot, Jr.
TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBT-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..177
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-010-408-5
Query Match 27.9%; Score 177; DB 14; Length 177;
Best Local Similarity 100.0%; Pred. No. 3.8e-82;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 298 TGTGAGTGAATGCGCCGAGGTAAGTGTGAGAGAGACCTTTAAACCAATTGACAGGTC 357
1 TGTGAGTGAATGCGCCGAGGTAAGTGTGAGAGAGACCTTTAAACCAATTGACAGGTC 60
DB 358 CTGTGCGGCTGTGATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 417
61 CTGTGCGGCTGTGATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 120
QY 418 CTGCCAGCTGGGAGTGTGCGCCAGGCGCCCAAGAGATACAGTGTGAGGAAAGTGTGC 474
DB 121 CTGCCAGCTGGGAGTGTGCGCCAGGCGCCCAAGAGATACAGTGTGAGGAAAGTGTGC 177
RESULT 6
US-10-112-267-17
Sequence 17, Application US/10112267
Publication No. US2003006878A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17
Query Match 14.2%; Score 90; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 1e-36;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 162 AGTGTGACAGGAGGCTGGGGAGTCTGTGACACCACTGTGATGTGCGACCCAGGCA 221
DB 418 AGTGTGACAGGAGGCTGGGGAGTCTGTGACACCACTGTGATGTGCGACCCAGGCA 477
QY 222 GGGCGTGTGTGACGCTGGGGGAGGCCC 251

Db 478 GGGCGTGTGTGTGACGCTGGGCGAGGCC 507

RESULT 7

US-10-112-267-18/c

Sequence 18, Application US/10112267

Publication No. US20030068678A1

GENERAL INFORMATION:

APPLICANT: Botstein, David A.

APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Lawrence, David A.

APPLICANT: Levine, Arnold J.

APPLICANT: Pennica, Diane

APPLICANT: Roy, Margaret Ann

APPLICANT: Wood, William I.

TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

FILE REFERENCE: P11762

CURRENT APPLICATION NUMBER: US/10/112,267

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B

PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704

PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612

PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14

NUMBER OF SEQ ID NOS: 156

SEQ ID NO 18

LENGTH: 1734

TYPE: DNA

ORGANISM: Mus musculus

US-10-112-267-18

Query Match 14.2%; Score 90; DB 15; Length 1734;

Best Local Similarity 100.0%; Pred.No. 1e-36;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 162 AGGTGTGACGAGAGGCTGGGGAGTCTGCGACCACTGCTGCGAGCCCGACCA 221

Db 1317 AGGTGTGACGAGAGGCTGGGGAGTCTGCGACCACTGCTGCGAGCCCGACCA 1258

Qy 222 GGGCTGTGTGTGACGCTGGGGAGGCCC 251

Db 1257 GGGCTGTGTGTGACGCTGGGGAGGCCC 1228

RESULT 8

US-10-010-408-10

Sequence 10, Application US/10010408

Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castelflor, Jr.

TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CNV-Like Molecules

and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESSES:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010,408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044,273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandragouras

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MBI-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 174 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..174

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-10-010-408-10

Query Match 9.3%; Score 59; DB 14; Length 174;

Best Local Similarity 100.0%; Pred.No. 2.2e-20;

Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 577 CCTGTGCAATTTGAGACAGCAGCTGGGGCCCTGCTCAACCACTGTGGGCTGGGCAT 635

Db 1 CCTGTGCAATTTGAGACAGCAGCTGGGGCCCTGCTCAACCACTGTGGGCTGGGCAT 59

RESULT 9

US-09-864-761-23432

Sequence 23432, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

FILE REFERENCE: Aecmlca-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

PRIOR FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 23432
LENGTH: 199
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL139352.8
OTHER INFORMATION: EXPRESSED IN LONG, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
OTHER INFORMATION: NT HIT: AF083500.1, EVALUE 1.00e-108
OTHER INFORMATION: SWISSPROT HIT: O19113, EVALUE 9.00e-19
US-09-864-761-23432

Query Match
Best Local Similarity 5.0%; Score 32; DB 9; Length 199;
Matches 32; Conservative 100.0%; Pred. No. 2.9e-06; Indels 0; Gaps 0;

Db 406 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 437
129 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 160

RESULT 10
US-09-864-761-6698
Sequence 6698, Application US/09864761
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aemica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 6698
LENGTH: 586
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL139352.8
OTHER INFORMATION: EXPRESSED IN LONG, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 2.7
US-09-864-761-6698

Query Match
Best Local Similarity 5.0%; Score 32; DB 9; Length 586;
Matches 32; Conservative 100.0%; Pred. No. 2.6e-06; Indels 0; Gaps 0;

Db 406 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 437
342 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 373

RESULT 11
US-10-641-643-790
Sequence 790, Application US/10641643
Publication No. US20040077003A1
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Sellhammer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/641,643
FILING DATE: 14-Aug-2003
CLASSIFICATION: <Unknown>
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 790:
SEQUENCE CHARACTERISTICS:
LENGTH: 647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGJUT02
CLONE: 692911
SEQUENCE DESCRIPTION: SEQ ID NO: 790 :
US-10-641-643-790

Query Match 5.0%; Score 32; DB 17; Length 647;
Best Local Similarity 100.0%; Pred. No. 2.6e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 406 GAGGATGTGCGGCTGCCAGCTGGAGCTGCC 437
DB 138 GAGGATGTGCGGCTGCCAGCTGGAGCTGCC 169

RESULT 12
US-10-112-267-38
Sequence 38, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 38
LENGTH: 738
TYPE: DNA
ORGANISM: Homo sapiens
US-10-112-267-38

Query Match 5.0%; Score 32; DB 15; Length 738;
Best Local Similarity 100.0%; Pred. No. 2.5e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 127 GTACCCCTGTGCTGATGAGCTGTGCTGCTG 158
DB 115 GTACCCCTGTGCTGATGAGCTGTGCTGCTG 146

RESULT 13
US-10-112-267-39
Sequence 39, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 39
LENGTH: 841
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1-841
OTHER INFORMATION: Sequence is synthesized.
US-10-112-267-39

Query Match 5.0%; Score 32; DB 15; Length 841;
Best Local Similarity 100.0%; Pred. No. 2.5e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 406 GAGGATGTGCGGCTGCCAGCTGGAGCTGCC 437
DB 417 GAGGATGTGCGGCTGCCAGCTGGAGCTGCC 448

RESULT 14
US-10-147-493-319
Sequence 319, Application US/10147493
Publication No. US20040029217A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C345

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; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-493-319

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Query Match      5.0%; Score 32; DB 13; Length 1266;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      127  GTACCCCTGGTGGTGGATGGCTGGGCTGGCTG 158
          |||
DB      136  GTACCCCTGGTGGTGGATGGCTGGGCTGGCTG 167

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RESULT 15

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US-10-145-127-319
; Sequence 319, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-319

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Query Match      5.0%; Score 32; DB 13; Length 1266;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      127  GTACCCCTGGTGGTGGATGGCTGGGCTGGCTG 158
          |||
DB      136  GTACCCCTGGTGGTGGATGGCTGGGCTGGCTG 167

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Search completed: May 9, 2004, 15:44:07
 Job time : 283.035 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 04:40:51 ; Search time 142.676 Seconds
(Without alignments)
6643.418 Million cell updates/sec

Title: US-10-010-408-1

Perfect score: 1708

Sequence: 1 GACGCTTCTATCTCCAGAG.....GCCATGATTAACACCCAAA 1708

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PTUS COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1278	74.8	1734	4	US-09-182-145-17 Sequence 17, Appl
2	1278	74.8	1734	4	US-09-182-145-18 Sequence 18, Appl
3	561.4	32.9	1293	4	US-09-182-145-13 Sequence 13, Appl
4	561.4	32.9	1293	4	US-09-182-145-14 Sequence 14, Appl
5	528.8	31.0	841	4	US-09-182-145-39 Sequence 39, Appl
6	501.2	29.3	738	4	US-09-182-145-38 Sequence 38, Appl
7	349.6	20.5	647	4	US-09-023-655-790 Sequence 790, Appl
8	163.8	9.6	2075	1	US-08-167-628-1 Sequence 1, Appl
9	163.8	9.6	2075	1	US-08-386-680-1 Sequence 1, Appl
10	163.8	9.6	2075	1	US-08-459-717-1 Sequence 1, Appl
11	163.8	9.6	2075	1	US-08-712-302-1 Sequence 1, Appl
12	163.8	9.6	2075	2	US-08-880-031-1 Sequence 1, Appl
13	163.8	9.6	2075	3	US-09-097-179-1 Sequence 1, Appl
14	163.8	9.6	2075	3	US-09-080-715-1 Sequence 1, Appl
15	163.8	9.6	2075	4	US-09-142-569-7 Sequence 7, Appl
16	163.8	9.6	2075	4	US-09-461-688-1 Sequence 1, Appl
17	163.8	9.6	2075	4	US-09-023-655-1044 Sequence 1044, Appl
18	163.8	9.6	2075	5	PCT-US96-08140-1 Sequence 1, Appl
19	163.8	9.6	2998	3	US-09-054-368-1 Sequence 1, Appl
20	163.8	9.6	2998	3	US-09-054-274-1 Sequence 1, Appl
21	163.8	9.6	2998	3	US-09-056-704-1 Sequence 1, Appl
22	161	8.4	2267	4	US-09-142-569-5 Sequence 5, Appl
23	158	9.3	2338	4	US-09-582-337-1 Sequence 1, Appl
24	156.4	9.2	2350	4	US-09-187-478-1 Sequence 1, Appl
25	154.8	9.1	2350	4	US-09-292-036-1 Sequence 1, Appl
26	126	7.4	669	4	US-09-461-688-3 Sequence 3, Appl
27	125	7.3	1146	4	US-09-348-815-1 Sequence 1, Appl

28	123.4	7.2	1418	4	US-09-142-569-3 Sequence 3, Appl
29	119.8	7.0	1766	4	US-09-182-145-9 Sequence 9, Appl
30	119.8	7.0	1766	4	US-09-182-145-10 Sequence 10, Appl
31	117	6.9	1480	4	US-09-142-569-1 Sequence 1, Appl
32	111.6	6.5	2830	4	US-09-182-145-1 Sequence 1, Appl
33	111.6	6.5	2830	4	US-09-182-145-2 Sequence 2, Appl
34	102.8	6.0	1128	2	US-08-459-101A-1 Sequence 1, Appl
35	98.4	5.8	1062	4	US-09-253-316-3 Sequence 3, Appl
36	89.2	5.2	1403	4	US-09-182-145-23 Sequence 23, Appl
37	84	4.9	4214	4	US-09-122-135-1 Sequence 1, Appl
38	75.4	4.4	1142	4	US-09-253-316-1 Sequence 1, Appl
39	75.4	4.4	1212	4	US-09-182-145-34 Sequence 34, Appl
40	75.4	4.4	1212	4	US-09-182-145-35 Sequence 35, Appl
41	75.4	4.4	1335	4	US-09-182-145-30 Sequence 30, Appl
42	75.4	4.4	1335	4	US-09-182-145-31 Sequence 31, Appl
43	65.8	3.9	1101	4	US-09-182-145-29 Sequence 29, Appl
44	63.4	3.7	693	4	US-09-182-145-24 Sequence 24, Appl
45	63.4	3.7	1202	4	US-09-182-145-26 Sequence 26, Appl

ALIGNMENTS

RESULT 1

US-09-182-145-17
Sequence 17, Application US/09182145B

Patent No. 6387657

GENERAL INFORMATION:

APPLICANT: Botstein, David A.

APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Lawrence, David A.

APPLICANT: Levine, Arnold J.

APPLICANT: Pennica, Diane

APPLICANT: Roy, Margaret I.

APPLICANT: Wood, William I.

TITLE OF INVENTION: MSP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

FILE REFERENCE: P1176R2

CURRENT APPLICATION NUMBER: US/09/182,145B

EARLIER FILING DATE: 1998-10-29

EARLIER APPLICATION NUMBER: US 60/063,704

EARLIER FILING DATE: 1997-10-29

EARLIER APPLICATION NUMBER: US 60/073,612

EARLIER FILING DATE: 1998-02-04

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

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EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

EARLIER APPLICATION NUMBER: US 60/081,695

QY 122 TGTGAG---CTTGTCTTAAGTCTTAAGCACTTGTTGGCTTGGCTTCCACACTGTCA 178
 Db 1602 TGTGAGCTCTGTCTCTTAAGTCTTAAGCACTTGTTGGCTTGGCTTCCACACTGTCA 1543
 QY 179 GACACCTTGTGTGTGCTCTCAAGGCTTCACTTCAAGTTTGAAGTGTGCTTCAAGAGG 238
 Db 1542 GACACCTTGTGTGTGCTCTCTGTGCTC-----TCAAGTTGAAGTGTGCTTCAAGAGG 1489
 QY 239 ACAAGGTGACATGAGGGGAGAGGCTTCACTTCACTTCTTGGCTTCTTCTTCTTCT 298
 Db 1488 ACAAGGTGACATGAGGGGAGAGGCTTCACTTCACTTCTTGGCTTCTTCTTCTTCT 1429
 QY 299 TCTCTCAATGTTGTGTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 358
 Db 1428 TCTCTCAATGTTGTGTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1369
 QY 359 CCAAGTCCCAAGGGGGTACCTTGTGCTGATGAGTGTGCTGCTGCTGCTGCTGCTGCT 418
 Db 1368 CCAAGTCCCAAGGGGGTACCTTGTGCTGATGAGTGTGCTGCTGCTGCTGCTGCTGCT 1309
 QY 419 ACAGAGGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 478
 Db 1308 ACAGAGGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 1249
 QY 479 TGTGAGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 538
 Db 1248 TGTGAGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 1189
 QY 539 CGGTACCTGTGAGTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 598
 Db 1188 CGGTACCTGTGAGTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 1129
 QY 599 CAGGCTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 658
 Db 1128 CAGGCTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1069
 QY 659 TGTGAGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 718
 Db 1068 TGTGAGCTTGGGGAGTCTCTGCAACCACTTGTCTGCAACCAAGGCTTGTGCT 1009
 QY 719 CTGCCCCGAGTGGGTATGTAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 775
 Db 1008 CTGCCCCGAGTGGGTATGTAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 949
 QY 776 GCAAGGACCAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 835
 Db 948 GCAAGGACCAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 889
 QY 836 TTTGAGGACAGGCTTGGGGCTTGTCTCAACCACTTGTGAGTGTGAGTGTGAGTGT 895
 Db 888 TTTGAGGACAGGCTTGGGGCTTGTCTCAACCACTTGTGAGTGTGAGTGTGAGTGT 829
 QY 896 GTCCAAACCAAGACCACTTGTGCAACCACTTGTGCAACCAAGGCTTGTGCTGCTGCT 955
 Db 828 ATCCAAACCAAGACCACTTGTGCAACCACTTGTGCAACCAAGGCTTGTGCTGCTGCT 769
 QY 956 CTGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1014
 Db 768 CTGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 709
 QY 1015 TTTGAGGACAGGCTTGGGGCTTGTCTCAACCACTTGTGAGTGTGAGTGTGAGTGT 1074
 Db 708 TTTGAGGACAGGCTTGGGGCTTGTCTCAACCACTTGTGAGTGTGAGTGTGAGTGT 649
 QY 1075 GTAGATGCTCTTCTCACTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1134
 Db 648 GTAGATGCTCTTCTCACTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 589
 QY 1135 AGAGCCATGAGGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1194
 Db 588 AGAGCCATGAGGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 529

QY 1195 TGTCTG--TTGAGCTGGAATTCGAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCT 1252
 Db 528 TGTCTGATTCGAGCCAGGCTTCTGAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCT 469
 QY 1253 AAAAAAGGACACCAAAAAAGGCTTAAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1312
 Db 468 ATGAAAGGACACCAAAAAAGGCTTAAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 409
 QY 1313 GTGCTGGGATGAGTGAATGTAGG--ACGAGACGAGATTCCTGAAATTCGAAATTC 1371
 Db 408 ATGCTGGGATGAGTGAATGTAGG--ACGAGACGAGATTCCTGAAATTCGAAATTC 349
 QY 1372 CTTCTGGAATTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1431
 Db 348 CTTCTGGAATTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 290
 QY 1432 TCCCTGACCTGAAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1491
 Db 289 TCCCTGATCTGAAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 243
 QY 1492 ACATGAGAGAT--GAATCACTGCTTAAAGAAATTCCTGAAATTCAGAACTTGAAC 1550
 Db 242 ACATGAGAGATGAGATCACTATTCCTTAAAGAGGCTTGAAGTCCAGAACTTGAAC 183
 QY 1551 TTTGATTTTTCAGAAATGACATCTCTTAAAGCACTGCAAAAAGAGGCTTCCACCT 1610
 Db 182 TTTGATTTTTCAGAAATGACATCTCTTAAAGCACTGCAAAAAGAGGCTTCCACCT 124
 QY 1611 CTGAGAGGCAAGGCTTCTCTTCAAGATGAGAAAGCAAGGAGCAGAGATCTCTC 1670
 Db 123 CTGAGAGGCAAGGCTTCTCTTCAAGATGAGAAAGCAAGGAGCAGAGATCTCTC 64
 QY 1671 CTCTGAGGACTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 1708
 Db 63 CTCTGAGGACTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 26

RESULT 3
 US-09-182-145-13
 ? Sequence 13, Application US/09182145B
 ? Patent No. 6387657
 ? GENERAL INFORMATION:
 ? APPLICANT: Botstein, David A.
 ? APPLICANT: Cohen, Robert
 ? APPLICANT: Goddard, Audrey
 ? APPLICANT: Gurney, Austin L.
 ? APPLICANT: Hillan, Kenneth J.
 ? APPLICANT: Lawrence, David A.
 ? APPLICANT: Levine, Arnold J.
 ? APPLICANT: Pennica, Diane
 ? APPLICANT: Roy, Margaret Ann
 ? APPLICANT: Wood, William I.
 ? TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 ? FILE REFERENCE: P11762
 ? CURRENT APPLICATION NUMBER: US/09/182,145B
 ? CURRENT FILING DATE: 1998-10-29
 ? EARLIER APPLICATION NUMBER: US 60/063,704
 ? EARLIER FILING DATE: 1997-10-29
 ? EARLIER APPLICATION NUMBER: US 60/073,612
 ? EARLIER FILING DATE: 1998-02-04
 ? EARLIER APPLICATION NUMBER: US 60/081,695
 ? NUMBER OF SEQ ID NOS: 156
 ? SEQ ID NO 13
 ? LENGTH: 1293
 ? TYPE: DNA
 ? ORGANISM: Homo sapiens
 US-09-182-145-13

Query Match 32.9%; Score 561.4; DB 4; Length 1293;
 Best Local Similarity 78.0%; Pred. No. 1e-152;
 Matches 701; Conservative 0; Mismatches 196; Indels 2; Gaps 2;

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? APPLICANT: Pennica, Diane
? APPLICANT: Roy, Margaret Ann
? APPLICANT: Wood, William I.
? TITLE OR INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
? FILE REFERENCE: P1176R2
? CURRENT APPLICATION NUMBER: US/09/182,145B
? CURRENT FILING DATE: 1998-10-29
? EARLIER APPLICATION NUMBER: US 60/063,704
? EARLIER FILING DATE: 1997-10-29
? EARLIER APPLICATION NUMBER: US 60/073,612
? EARLIER FILING DATE: 1998-02-04
? EARLIER APPLICATION NUMBER: US 60/081,695
? EARLIER FILING DATE: 1998-04-14
? NUMBER OF SEQ ID NOS: 156
? SEQ ID NO 14
? LENGTH: 1293
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-182-145-14

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RESOLU⁴
US-09-182-145-14/c
; Sequence 14, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Bolstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.

```

Db      558 CCTCAGGGGGTGGAGTCCACAAAACATGGCTTTAGAGCGGGCTGGAGTGGGAGC 499
QY      1022 ACAGGGCTCCCATCTCTGACAAATGACCTTAGAGACAGGCTTGACTGCTGGTAGATG 1081
Db      498 AGGAGTGTCCACATCCCTCCAGCTGGTGGCCCTGTGCTCGGCTGGGCTGAGTGAAGATG 439
QY      1082 CT-CTTCTCCAGTCTTGGCTGGAGTAACTGCTGCTTGGATTCATGTTGATGAGC 1139
Db      438 GTCCGTCCAGGCTTGTGGCTGGAGGACACATTAGCTTGGCTTCACCATGACAGAC 380

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RESULT 5

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US-09-182-145-39
; Sequence 39, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 39
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1-841
; OTHER INFORMATION: Sequence is synthesized.
; Patent No. 6387657
US-09-182-145-39

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Query Match      31.0%; Score 528.8; DB 4; Length 841;
Best Local Similarity 78.5%; Pred. No. 2.3e-143;
Matches 658; Conservative 0; Mismatches 177; Indels 3; Gaps 2;

QY      243 GGTGACATGAGGGGACGCCCATGATCATCTTCTGCGCACTTCTCTCTGCTTCTC 302
Db      6 GGGACATGAGAGGACACCGAAGACCACTTCTGCTCTCTCTCTCTCTCTCTCTC 65
QY      303 TCAATGCTGTGCTCCAGCTGTGCGGACACCTCTGATCTCTTGGACACACCCCGAG 362
Db      66 TCAAGGTGCTACCCAGCTGTGCGGACACCATGATGATCTGCCCCCTGGCACTCCCGA 125
QY      363 TGCCCAAGAGGGAGTACCCCTGCTGGATGGCTGTGAGTGTAAAGTGTGACGG 422
Db      126 TGCCCGTGGAGATACCCCTGCTGGATGGCTGTGAGTGTGAGTGTGAGTGTG 185
QY      423 AGGCTGGGGAGTCTCTGACACCACTTGATCTGCAACCCGACGAGGCTGTGTTGT 482
Db      186 CGGCTGGGGAGGCTCTGACCACTCACTGCTGCAACGCGACGAGGCTGTGTTGT 245
QY      483 CAGCCTGGGGAGGCTCTGAGGACATGGGGCTGTGATCTCTTGGATGAGGATGAGGT 542
Db      246 CAGCCCGGGAGGACCCGATGGGCGGGGGCCCTGTGCTCTTGGACAGAGGACGAC 305

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QY      543 AGCTGTAGGTGAATGAGCCGAGGTACCTGATGAGAGACCTTTAAACCAATTGACAG 602
Db      306 AGCTGTAGGTGAATGAGCCGAGGTACCTGATGAGAGAGGAGAGACCTTCCAGCCCACTGAGC 365
QY      603 GTCTGTGCTGCTGTGATGAGGATGCTTCACTGCTCCGCTGTGAGTGAAGATGAG 662
Db      366 ATCCGCTGCTGTGAGAGAGCGGCGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 425
QY      663 CGGCTGCCAGCTGGAGATGCTGCCACGCCCCAAGAAATACAGATGCTCAGAAAGTGTCTG 722
Db      426 CGGCTGCCAGCTGGAGATGCTGCCACGCCCCAAGAAAGTGAAGTCTGAGGCAAGTCTG 485
QY      723 CCCGAGTGGATATGATGACCAAGGAGTGAACCCGCGATCCAGCGCTCCAGCGGCAAGGA 782
Db      486 CCTGATGAGGTATGAGGCGCAAGAGAGGAGGATCGAGGATCCAGCCCTTCCA--GCCCAAGGA 543
QY      783 CACCAACTTTCGCTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 842
Db      544 CCCGAGTTCGCTTGTGCTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 603
QY      843 ACAGCTGGGGCCCTGCTCAACCACTGTGGGCTGGGATAGCCACCCGAGTGTCAAC 902
Db      604 AGGCTGGGAGACCTGTCTGACACACCTGTGGGCTGGGATAGCCACCCGAGTGTCAAC 663
QY      903 CAGAACCAATTCGCTCAACTGAGATCCAGCGCGCTGTGTGTGCTGCCAGACCTTCTG 962
Db      664 CAGAACCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 723
QY      963 GGAGCGAGGAGGACAGCTCATGGAACAGTCTTCTA-AGGCCAATGAGGAGTGGAGT 1021
Db      724 CCTCCAGGGGTGCGAGTGCACAAAACAGTGTCTTCTAGAGCGGGCTGGAAATGGGAGC 783
QY      1022 ACAGGGCTTCATCTCTGACAAATGACCTTAGAGACAGGCTTGTGCTGTGTA 1079
Db      784 AGGAGTTCACATCCATCCAGCTGTGGCCCTGTGCTGGGCTGGGCTGATGAGAGA 841

```

RESULT 6

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US-09-182-145-38
; Sequence 38, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 38
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-38

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Query Match      29.3%; Score 501.2; DB 4; Length 738;
Best Local Similarity 79.9%; Pred. No. 2.2e-135;
Matches 590; Conservative 0; Mismatches 148; Indels 0; Gaps 0;

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QY 1124 ATTCAGTGTAGAGC 1139
Db 609 GTCCACCATGACAGAAC 624

RESULT 8

US-08-167-628-1
; Sequence 1, Application US/08167628
; Patent No. 5408040
; GENERAL INFORMATION:
; APPLICANT: Grotenborst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,628
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/752,427
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: DB60R32
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..1177
; US-08-167-628-1

Query Match 9.6%; Score 163.8; DB 1; Length 2075;
Best Local Similarity 53.5%; Pred. No. 2,7e-37;
Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

QY 242 CGGGAATGAGGGGGGAGCCGACGATGATCTTGAGCACTTCTTCTGAGCTTCT 301
Db 135 CGGCGCAATGATGAGGGGGGAGCCGACGATGATCTTGAGCACTTCTTCTGAGCTTCT 194
QY 302 CTCATATGATGAGGGGGGAGCCGACGATGATCTTGAGCACTTCTTCTGAGCTTCT 361
Db 195 GCGGCGCGTGGGCGCAAGTGAAGCGAGCGGCGGTGCGCGGACGAGCGGCGCGCG 254
QY 362 GTGCGCCAGAGGGGGTACCTCTGAGTGTGATGCTGCTGTAAGTGTGTGACG 421
Db 255 CTGCGCGCGGCGGCGTGAAGCTGCTGAGTGTGAGCGCTGCTGCGCGGTGCGCGCA 314
QY 422 GAGGCTGGGGGAGTCTGCGGACCACTGATGCTGCGAGCCGAGCGGAGGAGCTGATTG 481
Db 315 GCACTGGGCGAGCTGTGACCACTGAGCGGAGCCCTGCGAGCCCGGAGAGGAGGCTTCTG 374

QY 482 TGAGCTGGGGAGAGGAGCTTGGGCGCCAGTGGGCTGTGTCTTGGATGAGATGACG 541
Db 375 TGACTTGGGCTCCCGGCGCAACCGCAAGATGCGGCTG---CACGCGCAAGATGCTG 431
QY 542 TAGCTGTAGAGTGAATGAGCGGAGGAGTACTGATGAGAGACTTAAACCAATTGAG 601
Db 432 TCCCTGCACTTCTGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 491
QY 602 GGTCTGTGCTGCGCTGATGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGT 661
Db 492 GTACAGTGAAGTGAAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 551
QY 662 GCGGCTGCGGAGCTGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 721
Db 552 TGTGTGCGGAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAG 611
QY 722 CCGGAGTGGTATGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAG 781
Db 612 CGAGAGTGGTATGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAG 671
QY 782 ACACCACTTCTGAGCTTGAAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 835
Db 672 TTACGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAG 731
QY 836 TTGAGGAGAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 895
Db 732 CGAGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 791
QY 896 GTCCAGGAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 955
Db 792 TACCAATGAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGAAGGAGTGA 851
QY 956 CTGCTGGAGAGCC 968
Db 852 TTGCGAAGCTGAC 864

RESULT 9

US-08-386-680-1
; Sequence 1, Application US/08386680
; Patent No. 5565270
; GENERAL INFORMATION:
; APPLICANT: Grotenborst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/386,680
; FILING DATE: 10-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,628
; FILING DATE:
; APPLICATION NUMBER: US/07/752,427
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURES:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-386-680-1

Query Match 9.6%; Score 163.8; DB 1; Length 2075;
Best Local Similarity 53.5%; Pred. No. 2.7e-37;
Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGAGCCCACTGATCCATCTTGGCCACTTCTCTCTGCTTCT 301
135 CGCCGCCAGTATGGGCCCCCGTCCGCGTCCCTGCTGCTCTCTCTGAGCG 194
302 CTCAATGATGTGTGCCAGCTGTGCCGACACCTCTGACTCTTCTTGAACACCA 361
195 GCCGCGCCGTCCGCGACCACTGACGCGGCGCGTCCGCGACGAGCGCGCGCG 254
362 GTGCCACAGAGGGGATACCCCTGCTGTGATGGCTGTGATGATGATGATGATG 421
255 CTGCCCGGCGGCGGAGCTGTGTCTGTGACGCGCTGCTGCTGCTGCTGCTGCG 314
422 GAGGCTGGGGAGTCTCTGACCACTGATCTGACACCCGACCCAGGCGCTGTTTG 481
315 GCAGCTGGGCGAGCTGTGACCGAGCGGCGACCCCTGCGACCGGACAGGGCTT 374
482 TCAGCTGGGGAGGCGCCCTGCGCGCCATGGGCTGTGTCTCTTGTGATGAGATG 541
375 TGACTTGGGCTCCCGGCGACCGCAAGATCGGCGGTG---CACCGCCAAAGATG 431
542 TAGCTGTGAGTGAATGGGCGCGGACGATCTGATGAGAGGACCTTAAACCAATT 601
432 TCCTGTGATCTTGTGATGATGATGATGATGATGATGATGATGATGATGATG 491
602 GGTCTGTGCGCGCTGTGATGATGATGATGATGATGATGATGATGATGATGAT 661
492 GTACCACTGACCTGCTGTGACGCGGCGGCTGTGATGATGATGATGATGATG 551
662 GCGGCTGCCAGCTGGGACTGCCACGCCCCAAGAGATACAGGTGCCAGGAAATG 721
552 TCGTCTGCCAGCGCTGACGCTGCCCTTCCGAGGAGGCTCAAGCTGCCCGGAA 611
722 CCGGAGTGGTATGTGACCAAGGATGACACCGGAGATCCAGCGCTCCAGCGG 781
612 CGAGGAGTGGTGTGTGACGAGCGCAAGACCAAACTGTGTGGCTGCTCCGCG 671
782 AACCAACTTTCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 835
672 TTACGCACTGGAAGACAGTTTGGCCCAACCAATGATTAAGCAACAGCTGCT 731
732 TTGAGACACAGCTGGGCGCCCTGCTCAACCACTGTGGCTGGGATAGCCACCT 895
836 TTGAGACACAGCTGGGCGCCCTGCTCAACCACTGTGGCTGGGATAGCCACCT 895
732 CCAGACACAGAGTGAAGCGGCTGTTCAGAGCTGTGGGATGGGATCTCCAC 791
896 GTTCAACACAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 955
792 TACCAATGACAAAGCTCTCTGCAAGGCTAGAGAAAGCAAGCCGCTGTGATG 851
956 CTGCTGGGACGCG 968
852 TTGCGAAGCTGAC 864

RESULT 10
US-08-459-717-1
Sequence 1, Application US/08459717
Patent No. 5770209

GENERAL INFORMATION:
APPLICANT: Grotendorst, Gary R.

TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR

NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSER: Spensley Horn Jubas & Iubitiz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla

STATE: CA
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,717
FILING DATE: 02-JUN-1995

CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/752,427

FILING DATE: 30-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.

REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294

TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100

TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32

FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-459-717-1

Query Match 9.6%; Score 163.8; DB 1; Length 2075;
Best Local Similarity 53.5%; Pred. No. 2.7e-37;
Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGAGCCCACTGATCCATCTTGGCCACTTCTCTCTGCTTCT 301
135 CGCCGCCAGTATGGGCCCCCGTCCGCGTCCCTGCTGCTCTCTCTGAGCG 194
302 CTCAATGATGTGTGCCAGCTGTGCCGACACCTCTGACTCTTCTTGAACACCA 361
195 GCCGCGCCGTCCGCGACCACTGACGCGGCGCGTCCGCGACGAGCGCGCGCG 254
362 GTGCCACAGAGGGGATACCCCTGCTGTGATGGCTGTGATGATGATGATGATG 421
255 CTGCCCGGCGGCGGAGCTGTGTCTGTGACGCGCTGCTGCTGCTGCTGCTGCG 314
422 GAGGCTGGGGAGTCTCTGACCACTGATCTGACACCCGACCCAGGCGCTGTTTG 481
315 GCAGCTGGGCGAGCTGTGACCGAGCGGCGACCCCTGCGACCGGACAGGGCTT 374
482 TCAGCTGGGCGAGGCGCCCTGCGCGCCATGGGCTGTGTCTTGTGATGAGATG 541
375 TGACTTGGGCTCCCGGCGACCGCAAGATCGGCGGTG---CACCGCCAAAGATG 431

QY 542 TAGCTGTAGTGTATGCGCGAGTACCTGTGATGAGACCTTTAAACCAATTGAG 601
 DB 432 TCCCTGCATCTTGGGTGTATGAGTGTATACGACGAGAGTCTTCCAGAGAGCTGCAA 491
 QY 602 GGTCTGTGTGCTGTGTATGACGCTTCACTTGCCTGCGCTGTGCAATGAGATGT 661
 DB 492 GTACCAAGTGTACGCTGTGAGCGGAGCGGTGGCTCATGCTTGTGACGATGACGT 551
 QY 662 GCGGCTGCGGAGTGTGAGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 721
 DB 552 TCGTCTGCGGAGCTGAGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 611
 QY 722 CCGGAGTGTGATGTGATGACGAGGAGTGTACCGGAGCGGAGCGGAGCGGAGCG 781
 DB 612 CGAGAGT 671
 QY 782 ACACCAACTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 835
 DB 672 TTACCGACTGTGAGAGACGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 731
 QY 836 TTGAGAGACGCGT 895
 DB 732 CGAGACGACGAGGT 791
 QY 896 GTCCACACGAGACCGATTTCTGCAACTGTGATCCAAAGCGGCTGTGTGTGTGTGT 955
 DB 792 TACCAATGACAGCGCTTCTGTGAGGCTGTGAGGAGGAGGAGGAGGAGGAGGAG 851
 QY 956 CTGCTGTGAGCGC 968
 DB 852 TTGCGAAGCTGAC 864

RESULT 11
 US-08-712-302-1
 ; Sequence 1, Application US/08712302
 ; Patent No. 5783187
 ; GENERAL INFORMATION:
 ; APPLICANT: Groendorst, Gary R.
 ; APPLICANT: Bradham Jr., Douglas M.
 ; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 ; NUMBER OF SEQUENCE: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Spensley Horn Jubas & Lubitz
 ; STREET: 4225 Executive Square, Suite 1400
 ; CITY: La Jolla
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 92037
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/712,302
 ; FILING DATE: 11-SEP-1996
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/386,680
 ; FILING DATE: 10-FEB-1995
 ; APPLICATION NUMBER: US/08/167,628
 ; FILING DATE:
 ; APPLICATION NUMBER: US/07/752,427
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Wetherell, Jr. Ph.D., John W.
 ; REGISTRATION NUMBER: 31,678
 ; REFERENCE/DOCKET NUMBER: PD-1294
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 619-455-5100
 ; TELEFAX: 619-455-5110
 ; INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2075 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; IMMEDIATE SOURCE:
 ; CLONE: DB60R32
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 130..1177
 ; US-08-712-302-1

Query Match 9.6%; Score 163.8; DB 1; Length 2075;
 Best Local Similarity 53.5%; Pred. No. 2.7e-37;
 Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

QY 242 CGGTGACATGAGGGGAGCGCCACTGATTCATCTTCTGGCCACTTCTCTCTGCTTCT 301
 DB 135 CGCGGCACTATGAGGCGCCGCTGCGGCTGCTTCTGTGTCTTCTGCGCTTCTGAGCG 194
 QY 302 CTCATAGGT 361
 DB 195 GCGGCGCTGTGCGCAAGACTGTGAGCGGCGCTGTGCGGCTGTGCGGAGAGCGCGCG 254
 QY 362 GTGCCACAGGAGGAGTACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 421
 DB 255 CTGCGCGGCGGCGTGTGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 314
 QY 422 GAGCTGTGGGGAGTCTGTGAGCACTGTGATGTGTGCAAGCCAGCGAGGAGCTGTGT 481
 DB 315 GAGCTGTGGGAGTGTGTGACCGAGCGGAGCCCTGTGAGCCGAGCAAGAGGCTTCTGT 374
 QY 482 TCAGCTGTGGGAGGCGCTGTGCGGCGCATGTGAGGCTGTGTGTGTGTGTGTGTGTGT 541
 DB 375 TGACTTGTGCTTCCCGGCAACCGCAAGATGTGCGGTGTGTGTGTGTGTGTGTGTGT 431
 QY 542 TAGCTGTGAGTGTATGAGCGGAGGTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 601
 DB 432 TCCCTGCATCTTGGGTGTATGAGTGTATACGAGGAGGAGTCTTCCAGAGAGCTGCAA 491
 QY 602 GGTCTGTGTGCTGTGTATGACGCTTCACTTGCCTGCGCTGTGCAATGAGATGT 661
 DB 492 GTACCAAGTGTACGCTGTGAGCGGAGCGGTGGCTCATGCTTGTGACGATGACGT 551
 QY 662 GCGGCTGCGGAGTGTGAGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 721
 DB 552 TCGTCTGCGGAGCTGAGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 611
 QY 722 CCGGAGTGTGATGTGATGACGAGGAGTGTACCGGAGCGGAGCGGAGCGGAGCG 781
 DB 612 CGAGAGT 671
 QY 782 ACACCAACTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 835
 DB 672 TTACCGACTGTGAGAGACGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 731
 QY 836 TTGAGAGACGCGT 895
 DB 732 CGAGACGACGAGGT 791
 QY 896 GTCCACACGAGACCGATTTCTGCAACTGTGATCCAAAGCGGCTGTGTGTGTGTGT 955
 DB 792 TACCAATGACAGCGCTTCTGTGAGGCTGTGAGGAGGAGGAGGAGGAGGAGGAG 851
 QY 956 CTGCTGTGAGCGC 968
 DB 852 TTGCGAAGCTGAC 864

RESULT 12
 US-08-880-031-1
 ; Sequence 1, Application US/08880031

Patent No. 5916756
GENERAL INFORMATION:
APPLICANT: Grotendort, Gary R.
APPLICANT: Bradham Jr., Douglas M.
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/880,031
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB6OR32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-880-031-1

Query Match 9.6% Score 163.8; DB 2; Length 2075;
Best Local Similarity 53.5% Pred. No. 2.7e-37;
Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;
DB 242 CGGTGACATGAGGGGAGCCGACCTGATCCATCTTCTGGCCACTTCTCTCTCTCTCT 301
135 CGCCGCCAGTATGCGGCCCGCGTCCGCTTCTGCTGCTCTCTCTCTCTCTCTGAGCG 194
QY 302 CTCATGTGTGTGTCGCGAGCTGTGCGGACACCCCTGTACCTGCTTCTGAGACCAACCCCA 361
DB 195 GCGGCGCGTGGCGGACGAGCTGAGCGGCGCGTCCGCGGAGCGAGCGGCGCGCGCG 254
QY 362 GTGCCACAGGGGAGTACCCCTGTGTCTGTGATGCTGTGCTGTGTAAGTGTGCAAG 421
DB 255 CTGCCCGGCGCGGAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 314
QY 422 GAGGCTGGGGAGTCTCTGCGACCACTGTGATCTTCTGCAACCCGACCGCGGCTGTG 481
DB 315 GCAGCTGGGCGAGCTGTGACCGAGCGGACCCCTGCGACCCGCAAGGCGCTTCTGTG 374
QY 482 TAGGCTGGGGAGGCGCGCTGGGCGGCGATGAGGCTGTGCTTCTGTGATGAGATGACG 541
DB 375 TGACTTGGCTCTCCCGGCGCAACCGCAAGTCCGCTGTG---CAGCGCAAGATGTGCG 431
QY 542 TAGCTGTGAGGTGAATGCGCGGAGTACCTGTGATGAGAGACCTTTAAACCAATTCAG 601
DB 432 TCCCTGCACTCTTGGGTGTGATCGGTATACCGAGCGGAGAGTCTCTTCCAGAGCAGCTGCA 491

QY 602 GGTCTGTGCGCGCTGTGATGAGGTTTCACTGCGCGCGCTGTGAGTGAATGT 661
DB 492 GTAACGATGACGATGCTGTGAGCGGCGGTGTGAGCTGTGATGCGATGAGTGAATGT 551
QY 662 GCGGCTGCGGAGCTGTGAGCTGTGAGCGGCGGTGTGAGCTGTGAGCTGTGAGCTGTG 721
DB 552 TGCTGTGCGGAGCTGTGAGCTGTGAGCGGCGGTGTGAGCTGTGAGCTGTGAGCTGTG 611
QY 722 CCGGAGTGGGTATGTGACCAAGGAGTGAACCGGCGATTCAGGCTTCCAGCGCGAGG 781
DB 612 CGAGGAGTGGGTGTGAGCGAGCGCAAGGACCAAGCTGTGTGAGCTGTGCGCGG 671
QY 782 AACCACTTCTGCGCTGTGATGAGCTGTGAGCTGTGAGCTGTGAGCTGTGAGCTGTG 835
DB 672 TTAACGATGAGGAGACGCTGTGAGCGGCGGTGTGAGCTGTGAGCTGTGAGCTGTG 731
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DB 732 CGAGACCAAGAGTGTGAGCGGCGGTGTGAGCGGCGGTGTGAGCTGTGAGCTGTGAG 791
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QY 956 CTGCGTGGAGCGC 968
DB 852 TTGCGAAGCTGAC 864

RESULT 13
US-09-097-179-1
Sequence 1, Application US/09097179
Patent No. 6148916
GENERAL INFORMATION:
APPLICANT: Grotendort, Gary R.
APPLICANT: Bradham Jr., Douglas M.
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,179
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/386,680
FILING DATE: 10-FEB-1995
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-09-097-179-1

Query Match 9.6%; Score 163.8; DB 3; Length 2075;
 Best Local Similarity 53.5%; Pred. No. 2.7e-37;
 Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

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 135 CGCGCGCAGATAGGGCCCCCTCGCGCTTCTGCTGCTCTCTCTCTCTCTCTCTGACCGG 194
 302 CTCAATGATGTGTGCCAGCTGTGCCGACACCTTGATCTCTCTCTCTCTCTCTCTCTGAC 361
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 432 TCCTGTGATCTTGGT 491
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 552 TCGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 611
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RESULT 14
 US-09-080-715-1
 ; Sequence 1, Application US/09080715
 ; Patent No. 619084
 ; GENERAL INFORMATION:
 ; APPLICANT: Grotendorst, Gary R.

APPLICANT: Bradham Jr., Douglas M.
 TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Spensley Horn Juba & Lubitz
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/080,715
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/167,628
 FILING DATE:
 APPLICATION NUMBER: US/07/752,427
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Welherell, Jr. Ph.D., John W.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: PD-1294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-455-5100
 TELEFAX: 619-455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2075 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-09-080-715-1

Query Match 9.6%; Score 163.8; DB 3; Length 2075;
 Best Local Similarity 53.5%; Pred. No. 2.7e-37;
 Matches 392; Conservative 0; Mismatches 332; Indels 9; Gaps 2;

242 CGGTGACATAGAGGGGAGGCCCACTGATTCATCTTCTGGGCCACTTCTCTCTGCTTCT 301
 135 CGCGCGCAGATAGGGCCCCCTCGCGCTTCTGCTGCTCTCTCTCTCTCTCTCTGACCGG 194
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 375 TGACTTGTGCTCTCCCGGCGCAACCGCAAGATCGGGTGTG---CACGCGCAAGATGGTGC 431
 542 TAGCTGTAGGTGATGAGCGCGCAGGTACTGTGATGAGAGACCTTTAAACCTTAATTCAG 601
 432 TCCTGTGATCTTGGT 491

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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 05:00:41 ; Search time 758.609 Seconds
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Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1278	74.8	1734 15	US-10-112-267-18
4	753	44.1	753 14	US-10-010-408-3
5	681	39.9	681 14	US-10-010-408-12
6	566.8	33.2	1337 9	US-09-915-582-30
7	566.8	33.2	1337 15	US-10-277-802-30
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42	561.4	32.9	1266 15	US-10-142-423-319	Sequence 319, App
43	561.4	32.9	1266 15	US-10-121-050-319	Sequence 319, App
44	561.4	32.9	1266 15	US-10-141-755-319	Sequence 319, App
45	561.4	32.9	1266 15	US-10-143-032-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellino, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

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; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1708 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 249..1001
;   SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

Query Match      100.0%; Score 1708; DB 14; Length 1708;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1708; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-10-112-267-17
; Sequence 17, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.

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1  APPLICANT: Pennica, Diane
2  APPLICANT: Roy, Margaret Ann
3  APPLICANT: Wood, William I.
4  TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
5  FILE REFERENCE: P1176R2
6  CURRENT APPLICATION NUMBER: US/10/112,267
7  PRIOR FILING DATE: 2002-03-27
8  PRIOR APPLICATION NUMBER: US/09/182,145B
9  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
10 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
11 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
12 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
13 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
14 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
15 NUMBER OF SEQ ID NOS: 156
16 SEQ ID NO 17
17 LENGTH: 1734
18 TYPE: DNA
19 ORGANISM: Mus musculus
20 US-10-112-267-17

```

Query Match	74.8%	Score 1278	DB 15	Length 1734
Best Local Similarity	88.5%	Pred. No. 0		
Matches 1520; Conservative	0	Mismatches 165	Indels 33	Gaps 11

QY	3	GGCTCTGATCTCCAGAGAACCTCTGAGGAGGACAGAGGACCTTGGCACAAGCTGACGCCG	62
Db	13	CGCTCTTAATCTCCAGAGAACCCGGGCTGGGACAGAGGACCTTGGCAGAGCTGACGCTGC	72
QY	63	TG-GGCAGTGGCTTGGAAATGAGAGCTTTATTAATCTGGAACTGAGAGCTAAGAGGCTCC	121
Db	73	TGTGGCAGTAGCTTGGATGAGAGGCTTTCTTGCTGGGAATGAGAGACTGAGAGGCTCC	132
QY	122	TGTGAG---CTTGCTTAAAGCTTAGACATTGTGTGGCTTGGGCTTCAACAATGTCA	178
Db	133	TGTCAAGGCTCTGTCTAAACCTTTGGACATGGCGGTGGCTTGGCTTCAACAATGTCA	192
QY	179	GACACCTTCTGTGTGGCTTCCACGGGCTCACCTTCAGGTTTGAAGCTGATCCACAAGG	238
Db	193	GACACCTTCTTGTGTGGCTCTCGGCC-----TCAAGTTGAAGCTGGCTCCACAAGG	246
QY	239	ACAGGATACATGAGGGGACGCCCATCTATCATTTTCTGGCACTTCTCTCTGCT	298
Db	247	ACACGATACATGAGGGGCAACCCCATCATCATTTCTTGGCAATTCCTCTCTGAT	306
QY	299	TCTCTCAATGGTGTTGTCGCAAGCTGTGCAGCAACCTGTACCTTCTCTTGGACACAC	358
Db	307	TCTCTCAATGGTGTTATCCCAAGCTGTGCCACAGACCTGTGTCTTCTTGGACACAC	366
QY	359	CGAGTGCCACAGAGGGGATACCCCTTGCTGTGATGATCTGTGGCTGCTGTAAAGTGTGTC	418
Db	367	CGAGTGCCACAGAGGGGATACCCCTGTGTGATGATGATGATGATGATGATGATGATGTC	426
QY	419	ACGAGAGGTGGGGAGATGCTGTGCACACCTGTATGTCGACACCCACACAGGCGTGT	478
Db	427	ACGAGAGGTGGGGAGATGCTGTGCACACCTGTATGTCGACACCCACACAGGCGTGT	486
QY	479	TTGTGAGCTCTGGGAGAGCCCTGTGGCGGACATGGGGCTGTGTCTCTTGAATGAGATGA	538
Db	487	TTGTGAGCTCTGGGAGAGCCCTGTGGCGGACATGGGGCTGTGTCTCTTGAATGAGATGA	546
QY	539	CGGTAGCTGTGAGTGAATGTGCTCGGAGGTACTGTATGTGAATGAGAGACTTTAAACCAATTG	598
Db	547	CGGAGAGCTGTGAGTGAATGTGCTCGGAGGTACTGTATGTGAATGAGAGACTTTAAACCAATTG	606
QY	599	CAGGATCTGTGGCGCTGTGATGACGATGAGCTTCACTGCTGCGCTGTGACATGAGGA	658
Db	607	CAGGATCTGTGTGGCGCTGTGATGACGATGAGCTTCACTGCTGCGCTGTGACATGAGGA	666
QY	659	TGTGCGGCTGCCAGCTGGACATGCCACAGCCCAAGATATCAAGGTGCCAGGAAGTG	718
Db	667	TGTGCGGCTGCCAGCTGGACATGCCACAGCCCAAGATATCAAGGTGCCAGGAAGTG	726

QY	719	TTGCCCCGAGTGGGTAATGTGACACGAGGAGTGA---CACCGGCGATTCACAGCGCTCACAGC	775
Db	727	CTGCCCCGAGTGGGTAATGTGACACGAGGAGTGAATGTGACGCGGCAATTCAGCCCTCTCAGC	786
QY	776	GCAAGGACACCAATTCTCTGACCTTGTCACTCTGCTCTGCTCTGTGTGATGCTCTCTGTCCAAA	835
Db	787	CCAAGGACACCAATTCTCTGACCTTGTCACTCTGCTCTGCTCTGTGTGATGCTCTCTGTCCAAA	846
QY	836	TTGAGAGACAGCCCTGGGGCCCGCTCTCAACCACTGTAGGGGTGGGGCAATGACACCCGAGT	895
Db	847	CTGAGAGACAGCCCTGGGGCCCGCTCTCAACCACTGTAGGGGTGGGGCAATGACACCCGAGT	906
QY	896	GTCCAAACCAAGCCGATTTCTGCAACTGAGATTCAAACGCGCGCTGTCTGCCAAGC	955
Db	907	ATCCAAACCAAGCCGATTTCTGCAACTGAGATTCAAACGCGCGCTGTCTGCCAAGC	966
QY	956	CTGCTTGAGCGCCGAGGAGCCACAGCTCATGGAACAGTCTTTCTTAAGGCCA-ATGGGGGA	1014
Db	967	CTGCTTGAGCGCCGAGGAGCCACAGCTCATGGAACAGTCTTTCTTAAGGCCAATGGGGGA	1026
QY	1015	TGCGGATPACAGGGCCTGCATCTCTCAGCAATGACCCCTAAGACCGAGCCTTGACTGTG	1074
Db	1027	TGTGGATACAGGGCCTGCATCTCTCAGCAATGATCCCTAAGACCGAGCCTTGACTGTG	1086
QY	1075	GTAATATGCTCTTCCATGCTCTTGGGTGAGTAATGTCTGCTTGATTCAGTCTGT	1134
Db	1087	GTAATATGCTCTTCCATGCTCTTGGGTGAGTAATGTCTGCTTGATTCAGTCTGT	1146
QY	1135	AGAGCCACTGAGCGATCCCTGCTCTGTCTGAGGTAGCGGAGCAGGTGACCAAGCTCAGT	1194
Db	1147	AGAGCCACTGAGCGATCCCTGCTCTGTCTGAGGTAGCGGAGCAGGTGACCAAGCTCAGT	1206
QY	1195	TCTCTGCG--TTCAAGCTTGGAAATTCTGGGTTCTCTGGCTCACTTCTCTAAAACATCCCTGT	1254
Db	1207	TCTCTGGAATTCGACCCAGGCTTCGGGTTCTCTGGCTCACTTCTCTAAAACATCCCTGT	1266
QY	1253	ACAAAAGAGCAACCAAAAAGACTTTTAACTTAGGCTAATACTGGGCAAACTTGACACCC	1312
Db	1267	ATGAAAAGAGCAACCAAAAAGACTTTTAAAGCTAATACTGGGCAAACTTGACACCC	1326
QY	1313	GTGCTGGGATTAAGTCAATGTTAG--ACAGAGACAGAGATTGGCTGAAAATTCCCAATTC	1371
Db	1327	ATGCTGGGATTAAGTCAATGTTAGTTAGTACAGGACGAGATTGGCTGAAAATTCCCAATTC	1386
QY	1372	CCTCTTGAGACTTCTGATGCTGTGTCCCAAGATGATGATGACTCTGAAGTGAACCT	1431
Db	1387	CCTCTTGAGACTTCTGATGCTGTGTCCCAAGATGATGATGACTCTGAAGTGAACCT	1445
QY	1432	TCCCTGACCTGAGAAACCTCTGCTGCTCGGGAAGTATTCAAGGGGACGAATTCCTGTGA	1491
Db	1446	TTCTCTGATCTGAGAAACCTCTGCTGCTCGGGAAGTATTCAAGGGGACGAATTCCTGTGA	1492
QY	1492	ACATGAAGAGAT--GAATACACACTGTCCCTTAAGAAATTCGAAAGTCCAGAACTTGAGC	1550
Db	1493	ACAATGAAGAGATGAATACACACTGTCTTAAGAAAGTTCGAAAGTCCAGAACTTGAGC	1552
QY	1551	TTTGTATTTTCAAGAAATGCAATCTCTTTAAGCACTTCGCAAAAACAGAAAGCTTCACACCT	1610
Db	1553	TTTGTATTTTCAAGAAATGCAATCTCTTTAAGCTTCACAAAAGCAAG--AGGCTCCACACTT	1611
QY	1611	CTGCGACGCGCAGGGCCTTCTCTTCAGCATGAGAAAGACAAAGGACAGCAGTACTCTC	1670
Db	1612	CTGCGACGCGCAGGGCCTTCTCTTCAGCATGAGAAAGACAAAGCAGTACTACTCTCTC	1671
QY	1671	CTCTGAGAGACTAATCTAGCTTAGAATTAACACCCAAA	1708
Db	1672	CTCTGAGAGACTAATCTAGCTTAGAATTAACACCCAAA	1709

RESULT 3
US-10-112-267-18/c
; Sequence 18, Application US/10112267

Publication No. US20030068678A1
 GENERAL INFORMATION:
 APPLICANT: Boutein, David A.
 APPLICANT: Cohen, Robert
 APPLICANT: Gurney, Audrey
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Lawrence, David A.
 APPLICANT: Levine, Arnold J.
 APPLICANT: Pennica, Diane
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: P1176R2
 CURRENT APPLICATION NUMBER: US/10/112,267
 PRIOR FILING DATE: 2002-03-27
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
 PRIOR FILING DATE: 1998-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO: 18
 LENGTH: 1734
 TYPE: DNA
 ORGANISM: Mus musculus
 US-10-112-267-18

Query Match 74.8%; Score 1278; DB 15; Length 1734;
 Best Local Similarity 88.5%; Pred. No. 0;
 Matches 1520; Conservative 0; Mismatches 165; Indels 33; Gaps 11;

3 CGCTTCTGATCTCCAGAGACCTGAGGCTGAGGACAGAGGCTTGGCAAGCTGACCCG 62
 1722 CGCTCTGATCTCCAGAGACCTGAGGCTGAGGACAGAGGCTTGGCAAGCTGACCCG 1663
 63 TG-GGAGTGGCTTGGATGAGAGTCTTATTACTGGGAAGCTGAGAGCTTAAAGGCTCC 121
 1662 TGTGGAGTGGCTTGGATGAGAGTCTTATTACTGGGAAGCTGAGAGCTTAAAGGCTCC 1603
 122 TGTGAG--CTGTCTTAAGCTTAAAGCTTGGTGGCTTGGCTTCAAGCTGCA 178
 1602 TGTGAGGCTTGTCTTAAAGCTTGGCACTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTT 1543
 179 GACACCTTGTGGTGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCA 238
 1542 GACACCTTGTGGTGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTCA 1489
 239 ACAAGGTGACATGAGGAGGAGCCCACTGATTCATCTTCTGGCACTTCTCTCTGCT 298
 1488 ACAAGGTGACATGAGGAGGAGCCCACTGATTCATCTTCTGGCACTTCTCTCTGCT 1429
 299 TCTTCAAGTGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAG 358
 1428 TCTTCAAGTGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAG 1369
 359 CCAAGTCCCAAGAGGAGTACCCCTGTGTGCTGATGAGTGTGCTGATGAGTGTGCTGATGAG 418
 1368 CCAAGTCCCAAGAGGAGTACCCCTGTGTGCTGATGAGTGTGCTGATGAGTGTGCTGATGAG 1309
 419 ACAGAGGCTGGGGAGTCTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCG 478
 1308 ACAGAGGCTGGGGAGTCTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCG 1249
 479 TTGTAGCCCTGGGGAGGAGCCCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 538
 1248 TTGTAGCCCTGGGGAGGAGCCCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1189
 539 CGGTAGCTGTGAGTGAATGAGCCGCAAGGTAAGTGTGATGAGAGAGAGCTTTAAACCAATTG 598

1188 CGGAGCTGTGAGTGAATGAGCCGAGGATCTGTGATGAGGAGAGAGCTTTAAACCAATTG 1129
 599 CAGGTCCTGTGAGCCGCTGTGATGACGAGTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
 1128 CAGGATTTGTGCTGCTGTGATGACGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1069
 659 TGTGCGGCTGCGCAGTGTGAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAG 718
 1068 TGTGCGGCTGCGCAGTGTGAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAG 1009
 719 CTGCCCCGAGTGTGATGATGACCAAGGAGTGA--CAAGGAGATCCAGAGGCTTCAAGGCT 775
 1008 CTGCCCCGAGTGTGATGATGACCAAGGAGTGAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCA 949
 776 GCAAGGACCAACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 835
 948 CCAAGGACCAACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 889
 836 TTAGAGCAGAGCTGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 829
 888 CTGAGGACAGCTGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 829
 896 GTCCAGCAGAACCTGATTTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCG 955
 828 ATCCAGCAGAACCTGATTTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCGCAAGTGTGCG 769
 956 CTGCTGTGAGCAGAGGAGGAGCAGAGCTGATGAGAGTGTGCTTAAAGGCTGCA--ACTGAG 1014
 768 CTGCTGTGAGCAGAGGAGGAGCAGAGCTGATGAGAGTGTGCTTAAAGGCTGCA--ACTGAG 709
 1015 TGGGATACAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1074
 708 TGTGATACAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 649
 1075 GTGATGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1134
 648 GTGATGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 589
 1135 AGAGCAGTGTGAGCAGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1194
 588 AGAGCCTGTGAGCAGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 529
 1195 TCTGTG--TTGAGCTGTGAAATTGTGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1252
 528 TCTGTGATGTGAGCAGAGGCTTGTGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 469
 1253 ACAAAAAGGACAAACAAAAGAGCCTTAAACCTAGGCTTACTGAGGCTTAAACCTGAGCAGC 1312
 468 ATGAAAAGGACAAACAAAAGAGCCTTAAACCTAGGCTTACTGAGGCTTAAACCTGAGCAGC 409
 1313 GTGCTGGGATGAGTCAATGTTAGG--ACAGAGCAGAGATTTGCTGAAATCTTCCATTC 1371
 408 ATGCTGGGATGAGTCAATGTTAGG--ACAGAGCAGAGATTTGCTGAAATCTTCCATTC 349
 1372 CTTTCTTGTGATTTGTGATGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 1431
 348 CTTTCTTGTGATTTGTGATGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 290
 1432 TCCCTGACCTGAGAAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1491
 289 TTCTGATCTGAGAAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 243
 1492 ACATGAGAGAT--GATATCACTGTCTTAAAGAAATTTCTGAAAGTCCAGAGACTGTGAGC 1550
 242 ACATGAGAGATGAGATCACTATTCTTAAAGAGGTTTGTCCAAATCCAGAGACTGTGAGC 183
 1551 TTGTGATTTTGAAGATGAGATCACTATTCTTAAAGAGGTTTGTCCAAATCCAGAGACTGTG 1610
 182 TTGTGATTTTGAAGATGAGATCACTATTCTTAAAGAGGTTTGTCCAAATCCAGAGACTGTG 124
 1611 CTGAGGAGCAGAGGCTTCTTCTTCTGAGATGAGAAAGCAAGGAGCAGAGATGATCTCTC 1670
 123 CTGAGGAGCAGAGGCTTCTTCTTCTGAGATGAGAAAGCAAGGAGCAGATGATGATCTCTC 64

QY 1671 CTCTGAGAGACTAGCTAGCTAGATTAACACCCAAA 1708
Db 63 CTCTGAGAGACTGCGCGTCTGGAATTAACACCCAAA 26

RESULT 4

US-10-010-408-3

Sequence 3, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castellot, Jr.

TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010,408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044,273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandragouras

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MBI-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 753 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..750

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-010-408-3

Query Match 44.1%; Score 753; DB 14; Length 753;

Best Local Similarity 100.0%; Pred. No. 1.2e-235;

Matches 753; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 249 ATGAGGGGAGACCACTGATCATCTCTGAGCACTTCTCTCTCTCTCTCATG 308

Db 1 ATGAGGGGAGACCACTGATCATCTCTGAGCACTTCTCTCTCTCTCTCATG 60

QY 309 GTGTGTCCCAAGCTGTGACCGGACACCTGTACTGTCTTTGAGACACCACTCCAGTGGCCA 368

Db 61 GTGTGTCCCAAGCTGTGACCGGACACCTGTACTGTCTTTGAGACACCACTCCAGTGGCCA 120

QY 369 CAGGGGGTACCCCTGGTGTGATGAGGCTGTGAGCTGTGTAAGTGTGTGACGAGGAGCTG 428

Db 121 CAGGGGGTACCCCTGGTGTGATGAGGCTGTGAGCTGTGTAAGTGTGTGACGAGGAGCTG 180

QY 429 GGGGAGTCTCTGCAACCACTGCATGTCTGCAACCCCAAGGAGGCTGTTTGTCAAGCT 488

Db 181 GGGGAGTCTCTGCAACCACTGCATGTCTGCAACCCCAAGGAGGCTGTTTGTCAAGCT 240

QY 489 GGGGAGGCGCCCTGGCGGCACTGGGAGCTGTGTCTTCTTGGATGAGATGACGTAAGCTGT 548

Db 241 GGGGAGGCGCCCTGGCGGCACTGGGAGCTGTGTCTTCTTGGATGAGATGACGTAAGCTGT 300

QY 549 GAGGTAAATGACCGGAGATACCTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 608

Db 301 GAGGTAAATGACCGGAGATACCTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 360

QY 609 TGGCGTGTGATGACCGGAGATACCTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 668

Db 361 TGGCGTGTGATGACCGGAGATACCTGTGATGAGAGACCTTTAAACCAATTGACAGGTCCTG 420

QY 669 CCCAGCTGGAGCTGCCCAAGCCCAAGATACAGGTGACAGGAAAGTGTCTGCCGAG 728

Db 421 CCCAGCTGGAGCTGCCCAAGCCCAAGATACAGGTGACAGGAAAGTGTCTGCCGAG 480

QY 729 TGGGTATGATGACCGGAGATGACCGGAGATGACCGGAGATGACCGGAGATGACCGGAGAT 788

Db 481 TGGGTATGATGACCGGAGATGACCGGAGATGACCGGAGATGACCGGAGATGACCGGAGAT 540

QY 789 CTTTCTGCCCTTGTCACTCTGCTCTGTGATGCTCTTGTCCAAATTGAGACACAGCC 848

Db 541 CTTTCTGCCCTTGTCACTCTGCTCTGTGATGCTCTTGTCCAAATTGAGACACAGCC 600

QY 849 TGGGGGCGCCCTGTCCAAACCACTGTGGGTGGGATGACCCAGGATGTCCAAACCAAGAC 908

Db 601 TGGGGGCGCCCTGTCCAAACCACTGTGGGTGGGATGACCCAGGATGTCCAAACCAAGAC 660

QY 909 CGATTCTGCCCACTGAGATGCCAAGCGGCTGTGTCTGCGGAGACCTGCTGAGAGCC 968

Db 661 CGATTCTGCCCACTGAGATGCCAAGCGGCTGTGTCTGCGGAGACCTGCTGAGAGCC 720

QY 969 AGGAGCCACAGCTCATGAAACAGTGTCTTCTAA 1001

Db 721 AGGAGCCACAGCTCATGAAACAGTGTCTTCTAA 753

RESULT 5

US-10-010-408-12

Sequence 12, Application US/10010408

Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castellot, Jr.

TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010,408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044,273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandragouras

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MB1-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..681
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-010-408-12

Query Match 39.9%; Score 681; DB 14; Length 681;
Best Local Similarity 100.0%; Pred. No. 4,7e-212;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 318 CAGCTGTGCGGACACCTCTGTAACCTGCTGGAACACACCCGAGTCCACAGGGAGTA 377
DB 1 CAGCTGTGCGGACACCTCTGTAACCTGCTGGAACACACCCGAGTCCACAGGGAGTA 60
QY 378 CCCCTGTGCTGATGCTGCTGCTGTAAGTGTGTGACAGGAGCTGAGGAGTCC 437
DB 61 CCCCTGTGCTGATGCTGCTGCTGTAAGTGTGTGACAGGAGCTGAGGAGTCC 120
QY 438 TCGCAGCACCTGATGCTGCTGACCCGACGAGGCTGTTGTGACCTGAGGAGG 497
DB 121 TCGCAGCACCTGATGCTGCTGACCCGACGAGGCTGTTGTGACCTGAGGAGG 180
QY 498 CTTGGCGGCGATGAGGAGCTGTGTCTTTGATGATGAGATGAGCGATGTGAGAGT 557
DB 181 CTTGGCGGCGATGAGGAGCTGTGTCTTTGATGATGAGATGAGCGATGTGAGAGT 240
QY 558 GGCAGGAGTACCTGATGAGAGACCTTTAAACCAATTGAGGAGTCTGTGCGCTGT 617
DB 241 GGCAGGAGTACCTGATGAGAGACCTTTAAACCAATTGAGGAGTCTGTGCGCTGT 300
QY 618 GATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 677
DB 301 GATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 678 GACTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 737
DB 361 GACTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
QY 738 GACGAGGAGTACACCGGCGATGACGCTCCAGCGGCGAGACACCACTTTCTG 797
DB 421 GACGAGGAGTACACCGGCGATGACGCTCCAGCGGCGAGACACCACTTTCTG 480
QY 798 CTTGTGACTCTGCTCTGCTGATGCTCTTGTCCAAATTGAGAGCAAGCTTGG 857
DB 481 CTTGTGACTCTGCTCTGCTGATGCTCTTGTCCAAATTGAGAGCAAGCTTGG 540
QY 858 TECTCAACCACTGTGAGGCTGAGGCAAGCCGAGGTGCAACAGAAACGATTTG 917
DB 541 TECTCAACCACTGTGAGGCTGAGGCAAGCCGAGGTGCAACAGAAACGATTTG 600
QY 918 CAATGAGATCAACAGCGGCTGTGTCTGCGGAGACCTTGTGCTGAGGAGGAG 977
DB 601 CAATGAGATCAACAGCGGCTGTGTCTGCGGAGACCTTGTGCTGAGGAGGAG 660
QY 978 AGCTATGAGACAGTGTCTTTC 998
DB 661 AGCTATGAGACAGTGTCTTTC 681
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RESULT 6
US-09-915-582-30
Sequence 30, Application US/09915582

Patent No. US20020120103A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 17 Human Secreted Proteins
FILE REFERENCE: P9723P1
CURRENT APPLICATION NUMBER: US/09/915,582
PCT/US01/01431
PRIORITY FILING DATE: 2001-07-27
PRIORITY FILING DATE: 2001-01-17
PRIORITY FILING DATE: 2000-01-31
PRIORITY FILING DATE: 2000-01-31
PRIORITY FILING DATE: 2000-02-04
PRIORITY FILING DATE: 2000-09-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 1337
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1337)
OTHER INFORMATION: n equals a,t,g, or c
US-09-915-582-30

Query Match 33.2%; Score 566.8; DB 9; Length 1337;
Best Local Similarity 77.0%; Pred. No. 1.8e-174;
Matches 728; Conservative 3; Mismatches 205; Indels 10; Gaps 3;

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QY 196 CTCACGAGGCTCACCTTACAGTTGAAAGCTGAGCTCCACAGGAGACAGGTGACATGAGG 255
DB 2 CTCACAGATTTCACCTTACAGCTTCAACCTGATGCTGCTGCTGCTGCTGCTGCTGCTG 53
QY 256 GCAAGCCAGTACATCTTCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 315
DB 54 GCAAGCCAGTACATCTTCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 113
QY 316 CCGAGCTGTGCGGAGACACCTGTAACCTGCTTGAACAACCCAGTGGCCACAGGGG 375
DB 114 CCGAGCTGTGCGGAGACACCTGTAACCTGCTTGAACAACCCAGTGGCCAGTGGGAG 173
QY 376 TACCCCTGTGCTGATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 435
DB 174 TACCCCTGTGCTGATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 233
QY 436 CTTGAGCAACCTGATGATGCTGAGACCCAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTG 495
DB 234 CTTGAGCAACCTGATGATGCTGAGACCCAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTG 293
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DB 294 GGCCTGCGGCGATGAGGCTGTGTCTTTGATGAGATGACGATGAGCTGTGAGTGA 353
QY 556 ATGAGCGGAGTACCTGATGAGAGACCTTTAAACCAATTGAGGAGTCTGCTGCTG 615
DB 354 ATGAGCGGAGTACCTGATGAGAGACCTTTAAACCAATTGAGGAGTCTGCTGCTG 413
QY 616 GTGATGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 675
DB 414 GTGATGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 473
QY 676 GAGAGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 735
DB 474 GAGAGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 533
QY 736 GTGACAGAGGAGTACACCGGCGATGACGCGCTGCAACGCGCGAGAGACCAACTTTT 795
DB 534 GTGACAGAGGAGTACACCGGCGATGACGCGCTGCAACGCGCGAGAGACCAACTTTT 593
QY 796 CCTTGTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 855
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Dh 594 GCGTTGTCCTTCCCTGCCCCCTGATGCCCTGCTCCCGAGATGAGACAGCGGCTGGGAGC 653
Qy 856 CCGTCAACACCTGCTGGGCTGGGATAGCCACCCGAGTGTCCACAGAACCAATCT 915
Db 654 CCGTCTGACACCTGCTGGGCTGGGATAGCCACCCGAGTGTCCACAGAACCAATCT 713
Qy 916 GCCAATGAGATCCACAGCGGCTGTCTGCTCCAGACCCCTGAGCCAGGAGGAGC 975
Db 714 GCGAGTGAAGACCCAGCGGCTGTCTGCTCCAGACCCCTGAGCCAGGAGGAGC 773
Qy 976 ACAGCTCATGAAACAGTCTTTCTA AGGCCAACTGGGAGATGGGATACAGGCTGCCA 1034
Db 774 GCACTCAACAAACAGTCTTTCTA AGGCCAACTGGGAGATGGGATACAGGCTGCCA 833
Qy 1035 TCCCTGAGCAATGACCTTAGAGACGAGGCTGTGAGTGTGATGCT-CTTCTGCATG 1093
Db 834 TCCCTGAGCTGTGAGGCTGTGAGTGTGATGCTGTGAGTGTGATGCTGTGAGG 893
Qy 1094 CTTGTGCTGCACTGATGCTGTGATGCTGTGATGCTGTGATGCTGTGATGAGC 1139
Db 894 CCGTGGCTGCAAGCAACATTAGCTGTGATGCTGTGATGCTGTGATGCTGTGAGC 939

RESULT 7
US-10-277-802-30
; Sequence 30, Application US/10277802
; Publication No. US20030190707A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/277, 802
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1337)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-277-802-30

Query Match 33.2%; Score 566.8; DB 15; Length 1337;
Best Local Similarity 77.0%; Pred. No. 174;
Matches 728; Conservative 3; Mismatches 205; Indels 10; Gaps 3;
Qy 196 CTCACGAGCTCACTTCAAGTTGAAGCTGCTCAACAGGAGACGCTGACATGAGG 255
Db 2 CTCACAGTTTCACTTCAAGCTCAACAGTGTGCTGCA-----GGGACATGAGAG 53
Qy 256 GCGAGCCAGTATCATCTTCTGCGCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTG 315
Db 54 GCAACACGAAAGCCCTCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 113
Qy 316 CCGAGCTGTGCGGAGACCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 375
Db 114 CCGAGCTGTGCGGAGACCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 173
Qy 376 TACCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 435

Dh 174 TACCCCTGCTGTGATGCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 233
Qy 436 CCGAGACACCTGATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 495
Db 234 CCGAGACACCTGATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 293
Qy 496 GCGCTGCGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 555
Db 294 GACCGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 353
Qy 556 ATGCGCGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 615
Db 354 ACBGCCTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 413
Qy 616 GTGATGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 675
Db 414 GCGAGACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 473
Qy 676 GCGACTGCGCACGCCCCAAGAGATACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 735
Db 474 GCGACTGCGCACGCCCCAAGAGATACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 533
Qy 736 GTGACCGAGGATGACACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 795
Db 534 GCGAGACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 593
Qy 796 CCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 855
Db 594 GCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 653
Qy 856 CCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 915
Db 654 CCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 713
Qy 916 GCCAATGAGATCCACAGCGGCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 975
Db 714 GCGAGTGAAGACCCAGCGGCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 773
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Db 774 GCACTCAACAAACAGTCTTTCTA AGGCCAACTGGGAGATGGGATACAGGCTGCCA 833
Qy 1035 TCCCTGAGCAATGACCTTAGAGACGAGGCTGTGAGTGTGATGCT-CTTCTGCATG 1093
Db 834 TCCCTGAGCTGTGAGGCTGTGAGTGTGATGCTGTGAGTGTGATGCTGTGAGG 893
Qy 1094 CTTGTGCTGCACTGATGCTGTGATGCTGTGATGCTGTGATGCTGTGATGAGC 1139
Db 894 CCGTGGCTGCAAGCAACATTAGCTGTGATGCTGTGATGCTGTGATGCTGTGAGC 939

RESULT 8
US-09-915-582-14
; Sequence 14, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1352

TYPE: DNA
ORGANISM: Homo sapiens
US-09-915-582-14

Query Match 33.2%; Score 566.6; DB 9; Length 1352;
Best Local Similarity 77.0%; Pred. No. 2.1e-174;
Matches 732; Conservative 0; Mismatches 209; Indels 10; Gaps 3;

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191 GTGACCTTCAAGGCTTCACTTCAAGTTTGAAGTGTGCTCCACAAAGGACACGGTACAT 250
3 GTCCGCTTCAAGTTTCACTTCAAGGCTCAAGGCTGCTGCA-----GGAGACAT 54
251 GAGGGGACGACCATGATTCATCTTCTGACCTTCTTCTGACCTTCTCAATAGT 310
55 GAGAGGACACACCAAGAACCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCAAGT 114
311 GTGTGCCAGCTGTGCGGACACCTCTGATCTTCTTCTTGAACACACCCCAAGTCCACA 370
115 GCGTACCCAGCTGTGCGGACACCTCTGATCTTCTTCTTGAACACACCCCAAGTCCACA 174
371 GGGGATACCTGCTGTGATGATGCTGTGCTGTGATGATGATGATGATGATGATGATGAT 430
175 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 234
431 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 490
235 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 294
491 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 550
295 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 354
551 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
355 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 414
611 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 474
415 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 534
475 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 594
591 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 654
651 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 714
715 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 774
775 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 834
835 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 894
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RESULT 9
US-10-277-802-14
Sequence 14, Application US/10277802
Publication No. US20030190707A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 17 Human Secreted Proteins
FILE REFERENCE: P8723P1
CURRENT APPLICATION NUMBER: US/10/277,802
CURRENT FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: 09/915,582
PRIOR FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: PCT/US01/01431
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/231,968
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 14
LENGTH: 1352
TYPE: DNA
ORGANISM: Homo sapiens
US-10-277-802-14

Query Match 33.2%; Score 566.6; DB 15; Length 1352;
Best Local Similarity 77.0%; Pred. No. 2.1e-174;
Matches 732; Conservative 0; Mismatches 209; Indels 10; Gaps 3;

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191 GTGACCTTCAAGGCTTCACTTCAAGTTTGAAGTGTGCTCCACAAAGGACACGGTACAT 250
3 GTCCGCTTCAAGTTTCACTTCAAGGCTCAAGGCTGCTGCA-----GGAGACAT 54
251 GAGGGGACGACCATGATTCATCTTCTGACCTTCTTCTGACCTTCTCAATAGT 310
55 GAGAGGACACACCAAGAACCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCAAGT 114
311 GTGTGCCAGCTGTGCGGACACCTCTGATCTTCTTCTTGAACACACCCCAAGTCCACA 370
115 GCGTACCCAGCTGTGCGGACACCTCTGATCTTCTTCTTGAACACACCCCAAGTCCACA 174
371 GGGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 430
175 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 234
431 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 490
235 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 294
491 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 550
295 GAGGATACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 354
551 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
611 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 670
671 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 730
731 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 790
791 GGTGAATGACCGGACGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 850
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OM nucleic - nucleic search, using sw model

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Title: US-10-010-408-1

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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

Issued Patents NA: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	5.3	1734	4	US-09-182-145-17
2	90	5.3	1734	4	US-09-182-145-18
3	32	1.9	647	4	US-09-023-655-790
4	32	1.9	738	4	US-09-182-145-38
5	32	1.9	841	4	US-09-182-145-39
6	32	1.9	1293	4	US-09-182-145-13
7	32	1.9	1293	4	US-09-182-145-14
8	27	1.6	51	4	US-09-182-145-117
9	19	1.1	372	4	US-09-636-791A-11
10	19	1.1	425	4	US-08-747-562-24
11	19	1.1	616	3	US-09-385-982-220
12	19	1.1	1196	4	US-09-149-476-225
13	19	1.1	1220	4	US-09-149-476-57
14	19	1.1	1514	2	US-09-213-768-1
15	19	1.1	1539	4	US-09-668-680-13
16	19	1.1	2031	4	US-09-252-991A-12122
17	19	1.1	2370	4	US-09-252-991A-12196
18	19	1.1	3120	4	US-09-252-991A-12395
19	18	1.1	20	2	US-09-213-768-2
20	18	1.1	280	4	US-09-313-294A-742
21	18	1.1	289	4	US-09-313-294A-740
22	18	1.1	315	4	US-09-313-294A-482
23	18	1.1	1134	4	US-09-328-352-384
24	18	1.1	1218	4	US-09-252-991A-9482
25	18	1.1	1290	4	US-09-252-991A-9349
26	18	1.1	1422	4	US-09-489-039A-7028
27	18	1.1	1646	4	US-09-023-655-629

C 28	18	1.1	1950	4	US-09-489-039A-6971	Sequence 6971, App
C 29	18	1.1	2104	3	US-09-313-930-1	Sequence 1, Appli
C 30	18	1.1	2104	4	US-09-023-655-1191	Sequence 1191, Ap
C 31	18	1.1	2121	4	US-09-614-891-4	Sequence 4, Appli
C 32	18	1.1	2196	4	US-09-252-991A-9319	Sequence 9319, Ap
C 33	18	1.1	2790	4	US-09-904-615-30	Sequence 10, Appl
C 34	18	1.1	2949	4	US-08-259-451-10	Sequence 10, Appl
C 35	18	1.1	3227	1	US-08-249-380-1	Sequence 1, Appli
C 36	18	1.1	8957	4	US-08-259-451-1	Sequence 1, Appli
C 37	18	1.1	1230025	4	US-09-198-452A-1	Sequence 1, Appli
C 38	17	1.0	24	4	US-09-182-145-110	Sequence 110, App
C 39	17	1.0	44	4	US-09-182-145-152	Sequence 152, App
C 40	17	1.0	435	4	US-09-182-145-7905	Sequence 7905, App
C 41	17	1.0	464	2	US-08-691-814B-117	Sequence 117, App
C 42	17	1.0	477	4	US-09-252-991A-6506	Sequence 6506, App
C 43	17	1.0	480	3	US-09-188-930-206	Sequence 206, App
C 44	17	1.0	480	4	US-09-312-283C-206	Sequence 206, App
C 45	17	1.0	482	2	US-08-691-814B-120	Sequence 120, App

ALIGNMENTS

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RESULT 1
US-09-182-145-17
Sequence 17, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WIDE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
EARLIER FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-17

Query Match      5.3%: Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%: Pred. No. 1.1e-34;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      410 AGTGTGTGACGAGGCTGGGAGTCTGCGACACCTTGATGTCTTGACACCCAGCCA 469
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DB      416 AGTGTGTGACGAGGCTGGGAGTCTGCGACACCTTGATGTCTTGACACCCAGCCA 477
         |||||

QY      470 GGGCTGTGTTGTGACCTGGGAGGAGCC 499
         |||||
DB      478 GGGCTGTGTTGTGACCTGGGAGGAGCC 507
         |||||

RESULT 2
US-09-182-145-18/c
Sequence 18, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:

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APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-18

Query Match 5.3%; Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 1.3e-34; Mismatches 0; Indels 0; Gaps 0;
Matches 90; Conservative 0; Gaps 0;

QY 410 AGTGTGTCACGAGGAGCTGGGGAGTCTGCGACACCTGCTGCGACCCAGCCCA 469
DB 1317 AGTGTGTCACGAGGAGCTGGGGAGTCTGCGACACCTGCTGCGACCCAGCCCA 1258

QY 470 GGGCTGTTGTGTCAGCCTGGGGCAGGCC 499
DB 1257 GGGCTGTTGTGTCAGCCTGGGGCAGGCC 1228

RESULT 3
US-09-023-655-790
Sequence 790, Application US/09023655
Patent No. 6607879
GENERAL INFORMATION:
APPLICANT: Cooke, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Selhammer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSER: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 790:
SEQUENCE CHARACTERISTICS:
LENGTH: 647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGTUT02
CLONE: 692911
US-09-023-655-790

Query Match 1.9%; Score 32; DB 4; Length 647;
Best Local Similarity 100.0%; Pred. No. 5.8e-06; Mismatches 0; Indels 0; Gaps 0;
Matches 32; Conservative 0; Mismatches 0; Gaps 0;

QY 654 GAGATGTGGGCTGCCAGCTGGAGTGGCC 685
DB 138 GAGATGTGGGCTGCCAGCTGGAGTGGCC 169

RESULT 4
US-09-182-145-38
Sequence 38, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 38
LENGTH: 738
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-38

Query Match 1.9%; Score 32; DB 4; Length 738;
Best Local Similarity 100.0%; Pred. No. 5.9e-06; Mismatches 0; Indels 0; Gaps 0;
Matches 32; Conservative 0; Mismatches 0; Gaps 0;

QY 375 GTACCCCTGGTGTGATGGCTGTGGCTGTG 406
DB 115 GTACCCCTGGTGTGATGGCTGTGGCTGTG 146

RESULT 5
US-09-182-145-39
Sequence 39, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 39
LENGTH: 841
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc feature
LOCATION: 1-841
OTHER INFORMATION: Sequence is synthesized.
Patent No. 6387657
US-09-182-145-39

Query Match 1.9%; Score 32; DB 4; Length 841;
Best Local Similarity 100.0%; Pred. No. 5.9e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 GAGGATGTGGCGCTGCCAGCTGGAGCTGCC 685
DB 417 GAGGATGTGGCGCTGCCAGCTGGAGCTGCC 448

RESULT 6
US-09-182-145-13
Sequence 13, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Bolstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 13
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-13

Query Match 1.9%; Score 32; DB 4; Length 1293;
Best Local Similarity 100.0%; Pred. No. 6e-06;

Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGTGCTGAGTGGCTGTGCTG 406
DB 148 GTACCCCTGTGCTGAGTGGCTGTGCTG 179

RESULT 7
US-09-182-145-14/c
Sequence 14, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Bolstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 14
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-14

Query Match 1.9%; Score 32; DB 4; Length 1293;
Best Local Similarity 100.0%; Pred. No. 6e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGTGCTGAGTGGCTGTGCTG 406
DB 1146 GTACCCCTGTGCTGAGTGGCTGTGCTG 1115

RESULT 8
US-09-182-145-117
Sequence 117, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Bolstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14

NUMBER OF SEQ ID NOS: 156
SEQ ID NO 117
LENGTH: 51
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc feature
LOCATION: 1-51
OTHER INFORMATION: Sequence is synthesized.
Patent No. 638/657
US-09-182-145-117

Query Match 1.6%; Score 27; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 380 CCTGGTCTGGATGGCTGGCTGCTG 406
DB 1 CCTGGTCTGGATGGCTGGCTGCTG 27

RESULT 9
US-09-636-791A-11/C
Sequence 11, Application US/09636791A
Patent No. 6503703
GENERAL INFORMATION:
APPLICANT: Palase et al
TITLE OF INVENTION: IDENTIFICATION AND USE OF ANTIVIRAL COMPOUNDS THAT
TITLE OF INVENTION: INHIBIT INTERACTION OF HOST CELL PROTEINS AND VIRAL
TITLE OF INVENTION: PROTEINS REQUIRED FOR VIRAL REPLICATION
FILE REFERENCE: 6923-077-999
CURRENT APPLICATION NUMBER: US/09/636,791A
CURRENT FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: 60/148,263
PRIOR FILING DATE: 1999-08-11
NUMBER OF SEQ ID NOS: 42
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 11
LENGTH: 372
TYPE: DNA
ORGANISM: Homo sapiens
US-09-636-791A-11

Query Match 1.1%; Score 19; DB 4; Length 372;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 617 TGATGACGGTGGCTTCACC 635
DB 80 TGATGACGGTGGCTTCACC 62

RESULT 10
US-08-747-562-24/C
Sequence 24, Application US/08747562
Patent No. 6579697
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BOLDIN, Mark
APPLICANT: MERT, Igor
APPLICANT: VARPOLOMEV, Eugene
TITLE OF INVENTION: MODULATOR OF TNF/NGF SUPERFAMILY RECEPTORS
TITLE OF INVENTION: AND SOLUBLE OLIGOMERIC TNF/NGF SUPERFAMILY RECEPTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,562
APPLICATION NUMBER: PCT/US95/05854
FILING DATE: 11-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 109,632
FILING DATE: 11-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 111,125
FILING DATE: 02-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=15A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 425 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-747-562-24

Query Match 1.1%; Score 19; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 617 TGATGACGGTGGCTTCACC 635
DB 118 TGATGACGGTGGCTTCACC 100

RESULT 11
US-09-385-982-220/C
Sequence 220, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS: II
FILE REFERENCE: CCDDNA-260XX
CURRENT APPLICATION NUMBER: US/09/385,982
CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 220
LENGTH: 616
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(616)
OTHER INFORMATION: n = A,T,C or G
US-09-385-982-220

Query Match 1.1%; Score 19; DB 3; Length 616;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 617 TGATGACGGTGGCTTCACC 635

Db 127 TGATGCGTGCGTTCC 109

RESULT 12

US-09-149-476-225/c
Sequence 225, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT FILING DATE: US/09/149,476
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,503
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
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EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601

EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
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EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
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EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
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EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22

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; EARLIER APPLICATION NUMBER: 60/057,761
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/047,595
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,599
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,588
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,585
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,586
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match      1.1% Score 19; DB 4; Length 1196;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      617 TGATGACGGTGGCTTCACC 635
DB      134 TGATGACGGTGGCTTCACC 116

RESULT 13
US-09-149-476-57/C
; Sequence 57, Application US/09149476

; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
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; EARLIER FILING DATE: 1997-03-07
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; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
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; EARLIER FILING DATE: 1997-04-11
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; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
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EARLIER APPLICATION NUMBER: 60/056,877
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EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

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RESULT 14
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Sequence 1, Application US/09213768
Patent No. 5985664
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
FILE REFERENCE: RTS-0026
CURRENT APPLICATION NUMBER: US/09/213,768

;; CURRENT FILING DATE: 1998-12-17
;; NUMBER OF SEQ ID NOS: 47
;; SEQ ID NO 1
;; LENGTH: 1514
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (136)..(441)
US-09-213-768-1

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Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 15
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; Sequence 13, Application US/09668680
; Patent No. 6436703
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhou, Ping
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Xue, Aidong J.
; APPLICANT: Xu, Chongjun
; APPLICANT: Dimaec, Radoje T.
; TITLE OF INVENTION: No. 6436703el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2A
; CURRENT APPLICATION NUMBER: US/09/668,680
; CURRENT FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Pf_Fl_genes Version 2.0
; SEQ ID NO 13
; LENGTH: 1539
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (130)..(1539)
US-09-668-680-13

Query Match 1.1%; Score 19; DB 4; Length 1539;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 774 CTTCCTGCTGCTTCTCTCA 792

Search completed: May 9, 2004, 11:11:17
Job time : 146.265 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 10:34:42 ; Search time 758.609 Seconds

(Without alignments)
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Title: US-10-010-408-1

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Gapop 60.0 , Gapext 60.0

Searched: 2941586 seqs, 226495651 residues

Word size : 0

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

Database :

Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	753	44.1	753	US-10-010-408-3	Sequence 1, Appl
3	681	39.9	681	US-10-010-408-12	Sequence 12, Appl
4	354	20.7	439	US-09-956-622A-23	Sequence 23, Appl
5	210	12.3	210	US-10-010-408-8	Sequence 8, Appl
6	177	10.4	177	US-10-010-408-5	Sequence 5, Appl
7	174	10.2	174	US-10-010-408-10	Sequence 10, Appl
8	90	5.3	1734	US-10-112-267-17	Sequence 17, Appl
9	90	5.3	1734	US-10-112-267-18	Sequence 18, Appl
10	54	3.2	65	US-09-908-975-2337	Sequence 2337, A
11	32	1.9	139	US-09-864-761-23432	Sequence 23432, A
12	32	1.9	586	US-09-864-761-6658	Sequence 6658, Ap
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15	32	1.9	841	15	US-10-112-267-39	Sequence 39, Appl
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19	32	1.9	1266	13	US-10-143-118-319	Sequence 319, Appl
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ALIGNMENTS

RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellote, Jr.
TITLE OF INVENTION: No. US0020165185A1 Heparin-Induced CCN-Like Molecules
and Use Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MB1-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1708 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 249..1001
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-10-010-408-1

Query Match 100.0%; Score 1708; DB 14; Length 1708;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1708; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
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 Sequence 3, Application US/10010408
 Publication No. US20020165185A1
 GENERAL INFORMATION:
 APPLICANT: John J. Castellot, Jr.
 TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
 and Uses therefor
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHYB & COCKFIELD, LLP
 STREET: 28 State Street

CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 753 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..750
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-010-408-3
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 753; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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US-10-010-408-12
Sequence 12, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castelli, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CN-1-like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..681
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-010-408-12
Query Match 39.9%; Score 681; DB 14; Length 681;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 318 CAGCTGAGCGGAGACACCTGTAACCTGTCCTGACACACACCCAGTCCCAAGGGGATA 377
    |||
Db 1 CAGCTGAGCGGAGACACCTGTAACCTGTCCTGACACACACCCAGTCCCAAGGGGATA 60
    |||
QY 378 CCCCTGATGCTGATGAGTGTGCTGTAAAGTGTGTGACACGAGGCTGTGGGAGTCC 437
    |||
Db 61 CCCCTGATGCTGATGAGTGTGCTGTAAAGTGTGTGACACGAGGCTGTGGGAGTCC 120
    |||
QY 438 TGCACCACTGCACTGTGTGACACCCAGCCAGGCTGTGTCTGACCTGTGGGAGTCC 497
    |||
Db 121 TGCACCACTGCACTGTGTGACACCCAGCCAGGCTGTGTCTGACCTGTGGGAGTCC 180
    |||
QY 498 CCTGGCGGCGCATGAGGCGTGTGTCTCTGGAAGAGTGAAGGTAAGTGAAGTGAAT 557
    |||
Db 181 CCTGGCGGCGCATGAGGCGTGTGTCTCTGGAAGAGTGAAGGTAAGTGAAGTGAAT 240
    |||
QY 558 GAGCGGAGTACCTGATGAGAGACCTTTAAACCAATTCAGAGTCTGTGCGCTGT 617
    |||
Db 241 GAGCGGAGTACCTGATGAGAGACCTTTAAACCAATTCAGAGTCTGTGCGCTGT 300
    |||
QY 618 GATGACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 677
    |||
Db 301 GATGACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
    |||
QY 678 GACTGCCAGCGGCGGAGAGATACAGGTCAGAGAAAGTCTGCGGAGTGTGTGT 737
    |||
Db 361 GACTGCCAGCGGCGGAGAGATACAGGTCAGAGAAAGTCTGCGGAGTGTGTGT 420
    |||
QY 738 GACCAAGGAGTGAACCGGCGATCCAGGCTCCAGCGGCGAGAGACCAATTTCTGCC 797
    |||
Db 421 GACCAAGGAGTGAACCGGCGATCCAGGCTCCAGCGGCGAGAGACCAATTTCTGCC 480
    |||
QY 798 CTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 857
    |||
Db 481 CTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
    |||
QY 858 TGCTCAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 917
    |||
Db 541 TGCTCAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
    |||
QY 918 CAACGTGAGATCCAAACCGGCTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 977
    |||
Db 601 CAACGTGAGATCCAAACCGGCTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
    |||
QY 978 AGCTCATGAGACAGTGTCTTC 998
    |||
Db 661 AGCTCATGAGACAGTGTCTTC 681
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```

RESULT 4
US-09-956-622A-23
; Sequence 23, Application US/09956622A
; Publication No. US20030091973A1
; GENERAL INFORMATION:
; APPLICANT: Horesovsky, Gregory J
; APPLICANT: No. US20030091973A1 II, L. Staton
; APPLICANT: Raha, Debashish
; TITLE OF INVENTION: Method of Identifying Osteoregenerative Agents Using
; FILE REFERENCE: 21402-445
; CURRENT APPLICATION NUMBER: US/09/956, 622A
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233, 579
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Rattus norvegicus

US-09-956-622A-23

Query Match 20.7%; Score 354; DB 10; Length 439;
Best Local Similarity 99.8%; Pred. No. 8e-177;
Matches 404; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1250 TGTACAAAAGAGCAACAAAAGACCTTTAACTAGCTATATCTGGCAAACTGGCC 1309
    |||
Db 1 TGTACAAAAGAGCAACAAAAGACCTTTAACTAGCTATATCTGGCAAACTGGCC 60
    |||
QY 1310 ACCGTGCTGGGAGTAAAGTCAATGTTAGACCAAGACAGAGATGCTGTAACCTCCAT 1369
    |||
Db 61 ACCGTGCTGGGAGTAAAGTCAATGTTAGACCAAGACAGAGATGCTGTAACCTCCAT 120
    |||
QY 1370 TCCCTCTTGAACCTTCTGATGCTGTGCCCAAGATGATGATGATGATGATGATGATG 1429
    |||
Db 121 TCCCTCTTGAACCTTCTGATGCTGTGCCCAAGATGATGATGATGATGATGATGATG 180
    |||
QY 1430 CTTCCCTGACCTGAGAACACCTGCTGCTGGGAAAGTATTCAGGGCAGAAATTTCTGT 1489
    |||
Db 181 CTTCCCTGACCTGAGAACACCTGCTGCTGGGAAAGTATTCAGGGCAGAAATTTCTGT 240
    |||
QY 1490 GACATGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1549
    |||
Db 241 GACATGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 300
    |||
QY 1550 CTTTGTATTTTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1609
    |||
Db 301 CTTTGTATTTTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 360
    |||
QY 1610 TCTGGGAGGCGAGGCTTTCTTCTTCAAGATGAGAAAGCAAGG 1654
    |||
Db 361 TCTGGGAGGCGAGGCTTTCTTCTTCAAGATGAGAAAGCAAGG 405
    |||
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RESULT 5
US-10-010-408-8
; Sequence 8, Application US/10010408
; Publication No. US20020165185A1
; GENERAL INFORMATION:
; APPLICANT: John J. Castellot, Jr.
; TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/010,408
; FILING DATE: 07-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/044,273
; FILING DATE: March 19, 1998
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 210 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 1..210
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-010-408-8

Query Match 12.3%; Score 210; DB 14; Length 210;
Best Local Similarity 100.0%; Pred.No. 2e-100;
Matches 210; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 318 CAGCTGGCCGAGACCTTGTACTGTCCTTTGACACACCCCAAGTCCCAAGGGGGA 377
DB 1 CAGCTGGCCGAGACCTTGTACTGTCCTTTGACACACCCCAAGTCCCAAGGGGGA 60
QY 378 CCCCTGGTGGTGGATGGCTGTGGCTGTAAAGTGTGACAGGAGCTGGGGAGTCC 437
DB 61 CCCCTGGTGGTGGATGGCTGTGGCTGTAAAGTGTGACAGGAGCTGGGGAGTCC 120
QY 438 TGCAGCACCTGCATGTCTGTGCAACCCAGCCAGGAGCTGTGTTGTCAAGCTGGGGCAAGC 497
DB 121 TGCAGCACCTGCATGTCTGTGCAACCCAGCCAGGAGCTGTGTTGTCAAGCTGGGGCAAGC 180
QY 498 CCTGGCGGCGCATGGGGCTGTGTCTCTTG 527
DB 181 CCTGGCGGCGCATGGGGCTGTGTCTCTTG 210

RESULT 6
US-10-010-408-5
Sequence 5, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellot, Jr.
TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010.408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 1..177
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-010-408-5

Query Match 10.4%; Score 177; DB 14; Length 177;
Best Local Similarity 100.0%; Pred.No. 6.6e-83;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 546 TGTGAGTGAATGGCCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGAGGGTC 605
DB 1 TGTGAGTGAATGGCCGAGGTACTGTGATGAGAGACCTTTAAACCAATTGAGGGTC 60
QY 606 CTGTGCCGCTGTGATGATACGGTGGCTTCACTGCTGCCCTGTGCAATGAGATGTCGG 665
DB 61 CTGTGCCGCTGTGATGATACGGTGGCTTCACTGCTGCCCTGTGCAATGAGATGTCGG 120
QY 666 CTGCCAGCTGGGACCTGCCAGGCCCAAGAGATTCAGGTGCAGGAAAGTGTGC 722
DB 121 CTGCCAGCTGGGACCTGCCAGGCCCAAGAGATTCAGGTGCAGGAAAGTGTGC 177

RESULT 7
US-10-010-408-10
Sequence 10, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellot, Jr.
TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010.408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 174 base pairs
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS

```
LOCATION: 1..174
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-010-408-10

Query Match
Best Local Similarity 100.0%; Score 174; DB 14; Length 174;
Matches 174; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 825 CCTGTTCGAATTGGAGCAGCCTGGGGGCCCCCTGCTCAACCACTGTGGCTGGGGGATA 884
DB 1 CCTGTTCGAATTGGAGCAGCCTGGGGGCCCCCTGCTCAACCACTGTGGCTGGGGGATA 60

QY 885 GCCACCCGAGTGTCCACGAGACCGAATTCCTGCACTGGAGATCCAAACCGCGCTGTGT 944
DB 61 GCCACCCGAGTGTCCACGAGACCGAATTCCTGCACTGGAGATCCAAACCGCGCTGTGT 120

QY 945 CTGCCGACACCTCTCTCTGGAGCGCCAGGACCAAGCTCATGTAGAACAGTGTCTTC 998
DB 121 CTGCCGACACCTCTCTCTGGAGCGCCAGGACCAAGCTCATGTAGAACAGTGTCTTC 174

RESULT 8
US-10-112-267-17
Sequence 17, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, David A.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17

Query Match
Best Local Similarity 5.3%; Score 90; DB 15; Length 1734;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 410 AGTGTGTGACGAGAGCTGGGGAGTCTGGAGACCACTGCATGTCTGCACCCGACCA 469
DB 418 AGTGTGTGACGAGAGCTGGGGAGTCTGGAGACCACTGCATGTCTGCACCCGACCA 477

QY 470 GGGCTGTGTTTGTCAAGCTTGGGGGAGGCC 499
DB 478 GGGCTGTGTTTGTCAAGCTTGGGGGAGGCC 507

RESULT 9
US-10-112-267-18/c
Sequence 18, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:

APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, David A.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-18

Query Match
Best Local Similarity 5.3%; Score 90; DB 15; Length 1734;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 410 AGTGTGTGACGAGAGCTGGGGAGTCTGGAGACCACTGCATGTCTGCACCCGACCA 469
DB 1317 AGTGTGTGACGAGAGCTGGGGAGTCTGGAGACCACTGCATGTCTGCACCCGACCA 1258

QY 470 GGGCTGTGTTTGTCAAGCTTGGGGGAGGCC 499
DB 1257 GGGCTGTGTTTGTCAAGCTTGGGGGAGGCC 1228

RESULT 10
US-09-908-975-2937
Sequence 2937, Application US/09908975
Publication No. US20030165843A1
GENERAL INFORMATION:
APPLICANT: SHOSHAN, Avi
APPLICANT: MASSEMAN, Alon
APPLICANT: MINTZ, Eli
APPLICANT: FAIGLER, Simchon
TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLIC
FILE REFERENCE: 36688-0005
CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: US 60/221,607
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 32337
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2937
LENGTH: 65
TYPE: DNA
ORGANISM: Rattus norvegicus
US-09-908-975-2937

Query Match
Best Local Similarity 3.2%; Score 54; DB 10; Length 65;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1559 TTGAGGATGCACTCTCTTAAGCACTCCGAAAGAGAGGCTCCACACTCT 1612
DB 1 TTGAGGATGCACTCTCTTAAGCACTCCGAAAGAGAGGCTCCACACTCT 54

RESULT 11
US-09-864-761-23432
; Sequence 23432, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT FILING DATE: 2001-05-23/864,761
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23432
; LENGTH: 199
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL139352.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: NT HIT: AF083500.1, EVALUATE 1.00e-108
; OTHER INFORMATION: SWISSPROT HIT: O19113, EVALUATE 9.00e-19

US-09-864-761-23432
Query Match 1.9%; Score 32; DB 5; Length 199;
Best Local Similarity 100.0%; Pred. No. 5.4e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 GAGATGTGCGGCTGCCAGCTGAGACTGCC 685
DB 129 GAGATGTGCGGCTGCCAGCTGAGACTGCC 160

RESULT 12
US-09-864-761-66598
; Sequence 66598, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 66598
; LENGTH: 586
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL139352.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
US-09-864-761-6698

Query Match 1.9%; Score 32; DB 9; Length 586;
Best Local Similarity 100.0%; Pred. No. 5.1e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 GAGATGTGGCGCTGCCAGCTGGAGTGGCC 685
DB 342 GAGATGTGGCGCTGCCAGCTGGAGTGGCC 373

RESULT 13

US-10-641-643-790
Sequence 790, Application US/10641643
Publication No. US20040077003A1
GENERAL INFORMATION:
APPLICANT: Cocke, Benjamin G.
Susan G. Stuart

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
GENE EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESS: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/641,643
FILING DATE: 14-Aug-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 790:
SEQUENCE CHARACTERISTICS:
LENGTH: 647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

IMMEDIATE SOURCE:
LIBRARY: LUNGCTUT02
CLONE: 692911

SEQUENCE DESCRIPTION: SEQ ID NO: 790 :
US-10-641-643-790

Query Match 1.9%; Score 32; DB 17; Length 647;
Best Local Similarity 100.0%; Pred. No. 5.1e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 GAGATGTGGCGCTGCCAGCTGGAGTGGCC 685
DB 138 GAGATGTGGCGCTGCCAGCTGGAGTGGCC 169

RESULT 14

US-10-112-267-38
Sequence 38, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
Cohen, Robert

APPLICANT: Goddard, Audrey
Gurney, Austin L.
Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
Levine, Arnold J.
Pennica, Diane
APPLICANT: Roy, Margaret Ann
Wood, William I.

TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 38
LENGTH: 738
TYPE: DNA
ORGANISM: Homo sapiens
US-10-112-267-38

Query Match 1.9%; Score 32; DB 15; Length 738;
Best Local Similarity 100.0%; Pred. No. 5e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGGTGGTGGATGGCTGGCTGTG 406
DB 115 GTACCCCTGGTGGTGGATGGCTGGCTGTG 146

RESULT 15

US-10-112-267-39
Sequence 39, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
Cohen, Robert

APPLICANT: Goddard, Audrey
Gurney, Austin L.
Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
Levine, Arnold J.
Pennica, Diane
APPLICANT: Roy, Margaret Ann
Wood, William I.

TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 39
LENGTH: 841

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; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1-841
; OTHER INFORMATION: Sequence is synthesized.
US-10-112-267-39

Query Match      1.9%; Score 32; DB 15; Length 841;
Best local Similarity 100.0%; Pred. No. 5e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      654 GAGGATGTGCGGCTGCCAGCTGGAGTGGCC 685
      |||||
DB      417 GAGGATGTGCGGCTGCCAGCTGGAGTGGCC 448

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Job time : 759.609 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 04:40:51 ; Search time 73.7605 Seconds
(without alignments)
6643.418 Million cell updates/sec

Title: US-10-010-408-1_COPY_1_883

Sequence: 1 GACGCTTGATCTCCAGAG.....ACCACCTGTGGCTGGGCAAT 883

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents NA:
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2: /cgn2_6/prodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/prodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCITUS_COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	727.6	82.4	1734	4	US-09-182-145-17
2	727.6	82.4	1734	4	US-09-182-145-18
3	434.6	49.2	1293	4	US-09-182-145-13
4	434.6	49.2	1293	4	US-09-182-145-14
5	423	47.6	738	4	US-09-182-145-38
6	420.6	47.6	841	4	US-09-182-145-39
7	222.8	25.2	647	4	US-09-023-655-790
8	128.4	14.5	2075	1	US-08-167-628-1
9	128.4	14.5	2075	1	US-08-386-680-1
10	128.4	14.5	2075	1	US-08-459-717-1
11	128.4	14.5	2075	1	US-08-712-302-1
12	128.4	14.5	2075	2	US-08-880-031-1
13	128.4	14.5	2075	3	US-09-097-179-1
14	128.4	14.5	2075	3	US-09-080-715-1
15	128.4	14.5	2075	3	US-09-142-569-7
16	128.4	14.5	2075	4	US-09-461-688-1
17	128.4	14.5	2075	4	US-09-023-655-1044
18	128.4	14.5	2075	5	PCT-US96-08140-1
19	128.4	14.5	2998	3	US-09-054-368-1
20	128.4	14.5	2998	3	US-09-054-274-1
21	128.4	14.5	2998	3	US-09-056-704-1
22	126	14.3	669	4	US-09-461-688-3
23	125.8	14.2	2338	4	US-09-582-337-1
24	125.8	14.2	2350	4	US-09-187-478-1
25	125	14.2	1146	4	US-09-348-815-1
26	124.2	14.1	2350	4	US-09-292-036-1
27	123.4	14.0	1418	4	US-09-142-569-3

28	120.8	13.7	2267	4	US-09-142-569-5	Sequence 5, Appl
29	117	13.3	1480	4	US-09-142-569-1	Sequence 1, Appl
30	105.6	12.0	1766	4	US-09-182-145-9	Sequence 9, Appl
31	105.6	12.0	1766	4	US-09-182-145-10	Sequence 10, Appl
32	102.8	11.6	1128	2	US-08-459-101A-1	Sequence 1, Appl
33	97	11.0	1062	4	US-09-253-316-3	Sequence 3, Appl
34	96.2	10.9	2830	4	US-09-182-145-1	Sequence 1, Appl
35	96.2	10.9	2830	4	US-09-182-145-2	Sequence 2, Appl
36	84	9.5	4214	4	US-09-122-135-1	Sequence 1, Appl
37	75.4	8.5	1142	4	US-09-253-316-1	Sequence 1, Appl
38	75.4	8.5	1212	4	US-09-182-145-34	Sequence 34, Appl
39	75.4	8.5	1212	4	US-09-182-145-35	Sequence 35, Appl
40	75.4	8.5	1335	4	US-09-182-145-30	Sequence 30, Appl
41	75.4	8.5	1335	4	US-09-182-145-31	Sequence 31, Appl
42	73.8	8.4	1403	4	US-09-182-145-23	Sequence 23, Appl
43	65.8	7.5	1101	4	US-09-182-145-29	Sequence 29, Appl
44	63.4	7.2	693	4	US-09-182-145-24	Sequence 24, Appl
45	63.4	7.2	1202	4	US-09-182-145-26	Sequence 26, Appl

ALIGNMENTS

RESULT 1
US-09-182-145-17
Sequence 17, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillen, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P11662
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-17

Query Match 82.4%; Score 727.6; DB 4; Length 1734;
Best Local Similarity 91.9%; Pred. No. 7.1e-191;
Matches 816; Conservative 0; Mismatches 59; Indels 13; Gaps 4;

QY	3	CGCTTGATCTCCAGAGACCTGGGGTGGAGACAGGGGCTTTGGCAAGGCTTCACACCGC	62
DB	13	CGCTTGATCTCCAGAGACCTGGGGTGGAGACAGGGGCTTTGGCAAGGCTTCACACGTCG	72
QY	63	TGCGAGAGGCTTGAATGAGAGGCTTTACTGAGAACTGAGAGCTTAAGAGCTCC	121
DB	73	TGCGAGAGGCTTGAATGAGAGGCTTTACTGAGAACTGAGAGCTTAAGAGCTCC	132
QY	122	TGTCAG---CTTGCTTAAGTCTTGAACCTTGAGCTTGCTTGCTTCAACACTGTCA	178
DB	133	TGTCAGGCTCTGCTTCAACCTTGAGCTTGCTTGCTTCAACACTGTCA	192
QY	179	GACACCTTGCTTGAGCTTCACAGGCTTCACTTGAAGCTTGCTTCAACAGG	238

Db	193	GAACACCTTCTTGSTGAGCCCTCCCTCGGCC-----TCAGGTTTGAAGCTGGCTCCAGCAAGG	246
QY	239	ACACGGTGCATGAGGGGGAGCCCACTGATCATCTTTGCGCCACTTCTCTCTGCT	298
Db	247	ACACGGTGCATGAGGGGGAGCCCACTGATCATCTTTGCGCCACTTCTCTCTGCA	306
QY	299	TCCTCTAAAGAGTGTGAGCCACAGCTGTGCGGACACACCTGTACTGTCTTGTGACACAC	358
Db	307	TCCTCTAAAGAGTGTATTTCCAGCTGTGCGGACACACCTGTGTCTTGTGACACAC	366
QY	359	CCAGTCCCAACAGGGGGTACCCCTGTGTCTGAGTGTGTGTGTCTGTAAAGTGTG	418
Db	367	CCAGTCCCAACCGGGGGTACCCCTGTGTCTGAGTGTGTGTGTGTGTGTGTGTGTGT	426
QY	419	ACGGAAGCTGTGGGGAGTCTGTGACACACCTGATGTGTGACACCCCAAGCCAGGCGT	478
Db	427	ACGGAAGCTGTGGGGAGTCTGTGACACACCTGATGTGTGACACCCCAAGCCAGGCGT	486
QY	479	TTGTCAAGCTGTGGGGAGCCCTGTGCGGACATGGGGCTGTGTGTCTTGTGATGAGATGA	538
Db	487	TTGTCAAGCTGTGGGGAGCCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	546
QY	539	CGGTAGCTGTGAGTGAATGCGCGGAGGTACTGTGATGGAAGACCTTTAAACCAATTG	598
Db	547	CGGAGAGCTGTGAGTGAATGCGCGGAGGTACTGTGATGGAAGACCTTTAAACCAATTG	606
QY	599	CAGGCTCTGTGTGCGCGGTGATGACGAGTGGCTTCACTGCTGCGCGCTGTGSCAGTGA	658
Db	607	CAGGCTCTGTGTGCGCGGTGATGACGAGTGGCTTCACTGCTGCGCGCTGTGSCAGTGA	666
QY	659	TGTGCGGCTGCCAGCTGTGGAGTGTCCACGCGCCCAAGAAATACAGTGTCCAGAAAGTG	718
Db	667	TGTGCGGCTGCCAGCTGTGGAGTGTCCACGCGCCCAAGAAATACAGTGTCCAGAAAGTG	726
QY	719	CTGCCCCGAGTGGGTATGTGACCCAGGGAGTGA---CACCGGAGATCCAGAGCTCCAGCGC	775
Db	727	CTGCCCCGAGTGGGTATGTGACCCAGGGAGTGTGACCGCGGAGATCCAGAGCTCTTCA	786
QY	776	GCAAGGACACCAACTTTGTGCGCTTGTCACTCTGTGCTGTGTGTGTGTGTGTGTGT	835
Db	787	CCAAGGACACCAACTTTGTGCGCTTGTCACTCTGTGCTGTGTGTGTGTGTGTGTGT	846
QY	836	TTGAGACACAGCTGTGGGGCCCTGTCTCAACACCTGTGGGCTGTGGGCAT	883
Db	847	CTGAGACACAGCTGTGGGGCCCTGTCTCAACACCTGTGGGCTGTGGGCAT	894
RESULT 2			
US-09-182-145-18/c			
Sequence 18, Application US/09182145B			
Patent No. 6387657			
GENERAL INFORMATION:			
APPLICANT: Botstein, David A.			
APPLICANT: Cohen, Robert			
APPLICANT: Goddard, Audrey			
APPLICANT: Gurey, Austin L.			
APPLICANT: Hillan, Kenneth J.			
APPLICANT: Lawrence, David A.			
APPLICANT: Levine, Arnold J.			
APPLICANT: Pennica, Diane			
APPLICANT: Roy, Margaret Ann			
APPLICANT: Wood, William I.			
TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME			
FILE REFERENCE: P1176R2			
CURRENT APPLICATION NUMBER: US/09/182,145B			
CURRENT FILING DATE: 1998-10-29			
EARLIER APPLICATION NUMBER: US 60/063,704			
EARLIER FILING DATE: 1997-10-29			
EARLIER APPLICATION NUMBER: US 60/073,612			
EARLIER FILING DATE: 1998-02-04			
EARLIER APPLICATION NUMBER: US 60/081,695			
EARLIER FILING DATE: 1998-04-14			
NUMBER OF SEQ ID NOS: 156			

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; SEQ ID NO 18
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-182-145-18

Query Match      82.4%; Score 727.6; DB 4; Length 1734;
Best Local Similarity 91.9%; Pred. No. 7.1e-191;
Matches 815; Conservative 0; Mismatches 59; Indels 13; Gaps 4;

QY      3  CGCTTCGATCTCCAGAGAGACCCCTGGGTGGAGACAGGGGCTTTGGCAAGGCTGAGGCCG 62
Db      1722 CGCTCCTGATCTCCAGAGAGACCCCGGGCTGGAGACAGGGGCTTTGGCAAGGCTGAGGCTGC 1663
QY      63  TG-CCGACGTGGCTTGGAAATGGAAGGCTTTTAATTACTGGGAACTGAGAGCTPAGAGGCTCC 121
Db      1662 TGTGGCAATGAGCTTGGATGGAAGGCTTTTCTTGCTGGAACTGAGAGCTGAGAGGCTCC 1603
QY      122 TGTGAC---CTTGCTCTTAAGTCTTTAGCACTTGTGTGTGGCTTGGCTTCAACACTGTCA 178
Db      1602 TGTGAGGCTCTGTGCTTAACTCTTGGCACTTGGCGGTGGCTTGGGCTTCAACACTGTCA 1543
QY      179 GACACCTTCGTGTGTGGCTTCCAGGCTCACTTCAAGTTTGAAGCTGCTCCACAAGGG 238
Db      1542 GACACCTTCTTGTGTGGCTTCCGCTCCGCTC-----TCAAGTTTGAAGCTGCTCCACAAGG 1489
QY      239 ACACGGTGAATGATGAGGGAGGACCCACATGATTCATCTTCTGGCCACTTCTCTCTGCT 298
Db      1488 ACACGGTGAATGATGAGGGAGCAACCACTGATTCATCTTCTGGCCACTTCTCTCTGCTAT 1429
QY      299 TCTCTCAATGTGTGTGTGCCACGTGTGTGGGACACCTGTACCTGTCTTGGACACAC 358
Db      1428 TCTCTCAATGTGTGTATTTCCAGCTGTGTGCCAGACCTGTGTCTTGTGTGAACACAC 1366
QY      359 CCAGTGGCCACAGGGGGGTAACCTGTGTGTGATGATGATGATGATGATGATGATGATG 418
Db      1368 CCAGTGGCCACAGGGGGGTAACCTGTGTGTGATGATGATGATGATGATGATGATGATG 1309
QY      419 ACGGAGGCTGGGGAGTCTTCCGACCACTGCAATGTCTGCGACCCCCAGCCAGGGCTGGT 478
Db      1308 ACGGAGGCTGGGGAGTCTTCCGACCACTGCAATGTCTGCGACCCCCAGCCAGGGCTGGT 1249
QY      479 TTGTCAAGCTGGGGCAGAGCCCTGGCGGCAATGAGGCTGTGTGTCTTTGATGAGATGA 538
Db      1248 TTGTCAAGCTGGGGCAGAGCCCAATGTGCGCTGTGTGTGTGTGTGTGTGTGTGTGTG 1189
QY      539 CGGTAGCTGTAGGTGAATGSCCGCAGATACCTGATGAGAGACCTTTAAACCCAAATTG 598
Db      1188 CGGTAGCTGTAGGTGAATGSCCGCAGATACCTGATGAGAGACCTTTAAACCCAAATTG 1129
QY      599 CAGGCTCTGTGGCCGCTGTGATGACGGTGGCTTCACTGCTGTGCGCTGTGCAATGAGGA 658
Db      1128 CAGGCTTTTGTGGCCGCTGTGATGACGGTGGCTTCACTGCTGTGCGCTGTGCAATGAGGA 1066
QY      659 TGTGGGCTGCCCAAGCTGGGACTGCGCACAGCTCCCAAGAAATACAGTGTGCCAGAAATG 718
Db      1068 TGTGGGCTGTGCCAAGCTGGGACTGCGCACAGCTCCCAAGAAATACAGTGTGCCAGAAATG 1009
QY      719 CTGCCCCGATGGGATATGATACAGAGGATGA---CAAGCGGATACAGCGCTCCAGGAC 775
Db      1008 CTGCCCCGATGGGATATGATGACAGAGGATGATGATGATGATGATGATGATGATGATGATG 949
QY      776 GCAAGGACACCAACTTTCTGCTTGTACTCTGCTCTCTGCTGTGCTCTTGTCTCAAA 835
Db      948 CCAAGGACACCAACTTTCTGCTTGTACTCTGCTCTCTGCTGTGCTCTTGTCTCAAA 889
QY      836 TTGAGGACAGGCTTGGGCGCTGCTCAACCACTGTGTGGGCTGGGCAAT 883
Db      888 CTGAGGACAGGCTTGGGCGCTGCTCAACCACTGTGTGGGCTGGGCAAT 841

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QY 723 CCCGAGTGGTATGATGACACGAGGAGTGAACACGGGATCCAGCGCTCCACGGCCGAAGA 782
DB 798 CCTGATGAGTGTGGGCGCAAGAGAGGGAGACTGGGAGACCGACCCCTTCCAGCCCAAGA 739
QY 783 CACCAACTTTTGGCCCTTGTGACCTGCTCCTCTGCTGATGCTCTTGTCCAAATTGAGC 842
DB 738 CCCGAGTTTCTGGCTTGTCTCTTCTCTGCCCCCTGTGTCCTCTGCCCCAGAAATGAGC 679
QY 843 ACAGCTTGGGCCCCCTGCTCAACCACTGTGGGCTGGGCAT 883
DB 678 ACAGCTTGGGAGCCCTGCTCGACCACTGTGGGCTGGGCAT 638

RESULT 5
US-09-182-145-38
; Sequence 38, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 38
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-38

Query Match 47.9%; Score 423; DB 4; Length 738;
Best Local Similarity 79.9%; Pred. No. 4.1e-107;
Matches 498; Conservative 0; Mismatches 125; Indels 0; Gaps 0;

QY 261 CCACGTATCCATCTTCTGCGCACTTCTCTCTGCTCTCTCAATGCTGTGCTCCG 320
DB 1 CCGAAGACCCACTCTTGGCTTCTCTCTCTCTCTCTCTCAAGGTGCTACCCG 60
QY 321 CTGTGCGGACACCTGTACTCTCTCTTGAACAACACCCAGTGCACAGGGGGTACC 380
DB 61 CTGTGCGGACACCAATGTAAGTCTGCGCCCTGCGCACTCCCGAATGCCCTGGAATACC 120
QY 381 CTGTGCTGATGCTGTGCTGCTGTCTGTAAGTGTGACGAGAGCTGGGGAGTCTG 440
DB 121 CTGTGCTGATGCTGTGCTGCTGCTGCTGCGGATATGACAGGGGCTGGGGAGCCCTTC 180
QY 441 GACCACTGATGTGCGACCCGACGAGGGCTGTGTTGTCAGCTGTGGGAGGACCT 500
DB 181 GACCACTGATGTGCGACCCGACGAGGGCTGTGTTGTCAGCTGTGGGAGGACCC 240
QY 501 GGGGACCATGGGCTGTGTCTCTTGAATGAGATGACGGTACTGTGAGTGAATGGC 560
DB 241 GGGGACCATGGGCTGTGTCTCTTGAATGAGATGACGGTACTGTGAGTGAATGGC 300
QY 561 CGGAGGATCTGATGAGAGACCTTAAACCAATTGAGGGCTCTGTGCTGCTGTGAT 620
DB 301 CGGAGGATCTGATGAGAGACCTTAAACCAATTGAGGGCTCTGTGCTGCTGTGAT 360
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QY 621 GAGGTGGCTTCACTTGTCTGCGCTGTGCAATGAGATGTGGGCTTGGCCAGCTGGAC 680
DB 361 GAGGGGGCTTCACTTGTCTGCGCTGTGCAATGAGATGTGGGCTTGGCCAGCTGGAC 420
QY 681 TGCCACGCCCCCAAGAAATACAGTGTCCAGAAAGTCTGCCCGAGGTATGTGAC 740
DB 421 TGCCACGCCCCCAAGAAATACAGTGTCCAGAAAGTCTGCCCGAGGTATGTGAC 480
QY 741 CAGGAGTGAACACGGGATTCAGCGCTCCACGGCGCAAGACCAACTTCTGACCTT 800
DB 481 CAGGAGTGAACACGGGATTCAGCGCTCCACGGCGCAAGACCAACTTCTGACCTT 540
QY 801 GTCACTCTGCTCTGCTGATGCTCTTGTCCAAATTGAGACACAGCTGGGGCCCTG 860
DB 541 GTCACTCTGCTCTGCTGATGCTCTTGTCCAAATTGAGACACAGCTGGGGCCCTG 600
QY 861 TCAGCACTGTGGGCTGGGCAT 883
DB 601 TCAGCACTGTGGGCTGGGCAT 623

RESULT 6
US-09-182-145-39
; Sequence 39, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 39
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: 1-841
; OTHER INFORMATION: Sequence is synthesized.
; Patent No. 6387657
US-09-182-145-39

Query Match 47.6%; Score 420.6; DB 4; Length 841;
Best Local Similarity 79.6%; Pred. No. 2e-106;
Matches 510; Conservative 0; Mismatches 129; Indels 2; Gaps 1;

QY 243 GGTACATGAGGGGAGGCCACTATCCATCTTCTGGGCACTTCTCTCTGCTCTTC 302
DB 6 GGTACATGAGGGGAGGCCACTATCCATCTTCTGGGCTTCTCTCTCTCTCTCTCTTC 65
QY 303 TCAATGATGTGGCCAGCTGTGCGGACACCTGTACTCTTCTTGAACACACCCGAG 362
DB 66 TCAATGATGTGGCCAGCTGTGCGGACACCTGTACTCTTCTTGAACACACCCGAG 125
QY 363 TGCCACAGGGGGTACCCCTGCTGATGCTGTGCTGTGTAAGTGTGTCAGG 422
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Db	120	TGCGCGCTGGAGATACCCCTGGTGGATGAGCTGTGGACTGTGCCGGGTATGTGCACGG	185
Oy	423	AGGCTGGGGAGATCTCTGGCCACCACTTGATGTCTCCGACCCCAAGCAGAGGCTGGTTGT	482
Db	186	CGGCTGGGGAGGCCCTTGCCACCACTTCCAGCTCCGACGCGCAGCAGAGGCTGTGTCTGC	245
Oy	483	CACGCTGGGGCAAGCCTCTGGCGGACATGGGGGCTGTGTGTCTCTTGGATGAGGATGACGCT	542
Db	246	CACCGCGGGCAGAGACCCGGTGGCGGGGGGCGCTGTGGCTTGGCAGAGAGCAGACGC	305
Oy	543	AGCTGTGAGGTGAATGGCGCCAGGTACTGTGATGAGAGACCTTTAAACCAATTGGACG	602
Db	306	AGCTGTGAGGTGAACGGCGCCTGTATCGGAGAAAGGAGACCTTCCAACTCCACTGGACG	365
Oy	603	GTCCTGGCGCGGTGATGATGACGGGTGGCTTCACTCTCGCGGCTGTGAGTAGAGGATGTG	662
Db	366	ATCCGCTGCCGCTGCGCAGAGACGGCGGCTTCACTCTGCTGGCCGTGTGAGAGAGAGATGTG	425
Oy	663	CGGCTGCCAGCTGGGACTGGCCACGCCCCAAGAGATACAGGTGCCAGGAAATGCTGC	722
Db	426	CGGCTGCCAGCTGGGACTGCCCCACCCCAAGAGAGGTGTGAGGTCTGTGGCAGTGTGC	485
Oy	723	CCGAGTGGGTATGTATACAGAGGAGTGAACACGGGGATTCACGCGTCCACAGGCGCAAGGA	782
Db	486	CTTGAATGGGTGTGCGGCCAAGAGAGGGAGACTGGGACCAAGCCTTCCA--GCCCAAGGA	543
Oy	783	CACCACTTTCGACCCCTTGTCACTCCGTGCTGTGATGCTCTTGTCCAAATTGAGC	842
Db	544	CCCAAGTTTCTGGGCTTGTCTTCTTCCCTGCACCCCTGGTGTCTCCCTGCCAGAATGAGC	603
Oy	843	ACAGCCTGGGGCCCTGCTCAACACACTGTGGGCTGGGAT	893
Db	604	ACGGCTGTGGGACCTGTGCTGACCACTGTGGGCTGGGAT	644

RESULT 7
US-09-023-655-790
; Sequence 790, Application US/09023655
; Patent No. 6607879

GENERAL INFORMATION:

1 APPLICANT: Cocke, Benjamin G.
2 APPLICANT: Susan G. Stuart
3 APPLICANT: Jeffrey J. Sellmeier
4 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENES
5 TITLE OF INVENTION: EXPRESSION
6 NUMBER OF SEQUENCES: 1508
7 CORRESPONDENCE ADDRESSES:
8 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
9 STREET: 3174 PORTER DRIVE
0 CITY: PALO ALTO
1 STATE: CALIFORNIA
2 COUNTRY: USA
3
4 ZIP: 94304
5
6 COMPUTER READABLE FORM:
7 MEDIUM TYPE: FLOPPY disk
8 COMPUTER: IBM PC compatible
9 OPERATING SYSTEM: PC-DOS/MS-DOS
0
1 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
2
3 CURRENT APPLICATION DATA:
4 APPLICATION NUMBER: US/09/023,655
5
6 FILING DATE: HERewith

1 CLASSIFICATION:
2 PRIOR APPLICATION DATA:
3 APPLICATION NUMBER:
4 FILING DATE:
5 CLASSIFICATION:
6 ATTORNEY/AGENT INFORMATION:
7 NAME: Zeller, Karen J.
8 REGISTRATION NUMBER: 37,071
9 REFERENCE/DOCKET NUMBER: PA-0001 USA
10 TELECOMMUNICATION INFORMATION:
11 TELEPHONE: (650) 855-0555
12 TELEFAX: (650) 845-4166

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? INFORMATION FOR SEQ ID NO: 790
? SEQUENCE CHARACTERISTICS:
? LENGTH: 647 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? IMMEDIATE SOURCE:
? LIBRARY: LUNGCTVT02
? CLONE: 6592911
?
? US-09-023-655-790
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Query Match	25.2%	Score 222.8;	DB 4;	Length 647;
Best Local Similarity	-78.2%;	Pred. No. 5.4e-52;		
Matches 280; Conservative	0;	Mismatches 77;	Indels 1;	Gaps 1;

QY	526	TGATGAGGATGACGGTAGCTGATGAGGTGAATGACCCTGGAGGTACCTGGATGAGAGACCT	585
Db	10	TGGCAGAGGACGACAGCAGCTGTGTAGGGTGAACGGCCGCTGTATGTGGGAAAGGGAGACCT	69
QY	586	TTAAACCCAAATTGGCAGGGTCTGTGTCGGCTGTATGAAAGGTGGCTTACCTGCTGACCGC	645
Db	70	TTCAGCCCACTGAGACATCCGTCGCGCTGACGAGAGAGGGGGCTTCAACTGCTGTCGC	129
QY	646	TGTACAGTGAAGATGTGCGGCTGCCCAGCTGGCACTGGCCAACGCCCCAGAAGAAATACAG	705
Db	130	TGTGACAGGAGGATGTGTGGCTGCCCCAGCTGGACCTGCCCCACCCACAGAGGGGTGAGG	189
QY	706	TGCCAAGAAATGCTTGGCCCGAGTGGGATATGTGACAGGGAGTGAACAACCGAGATCCAGC	765
Db	190	TCTGGGCGAATGCTGCCCTGATGAGGGTGTCCGGCAAGAGAGGGGACTGGGGACCAAC	248
QY	766	GCTCCACGGCCAGACGACACCACTTTCTGCCCTTGTACCTGAGCTCTGCTGATGCTC	825
Db	249	CCCTTCAGGCCAAGAGACCCAGATTCTTCTGTGACTTGTCTTCTCCCTGCCCCCTGCTGTCTC	308
QY	826	CTTGTCCAAATTGAGACACAGCTGGGGCCCTGCTCAACAACCTGTGGGCTGGGCAT	883
Db	309	CTTCCCAAGATGAGACACGGCTGGGGGACCTGTGTGACCAACTGTGGGCTGGGCAT	366

RESULT 8
US-08-167-628-1

Sequence 1, Application US/08167628
Patent No. 5408040

GENERAL INFORMATION:

APPLICANT: Grotenordt, Gary R.
APPLICANT: Braham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA: US/07/752,427
APPLICATION NUMBER: US/07/752,427
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-167-628-1

Query Match 14.5%; Score 128.4; DB 1; Length 2075;
Best Local Similarity 52.2%; Pred. No. 8, 2e-26;
Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGACGCCACCTGATCCATCTTCCTGCGCACTTCCTCTGCTTCT 301
135 GCGCCGCACTATGAGGCCCCGCTCCGGCTCCCTTCTGCTCTCTCCCTCTGAGCCG 194
302 CTCATGATGATGTCGCCACCTGTCGCGACACCTGTACTCTCTTGGACCAACCCCA 361
195 GCGGCGCTGCGGCAACATGACGAGCGGCGGTCGCGTCCGAGACGCGCGCGCG 254
362 GTGCCCCACAGGGGGTACCCCTGTGCTGATGATGCTGTGCTCTGTAAGTGTGACG 421
255 CTGCCCCGAGGGGGTACGCTCTGTGTCGACGCGCTGCGCTCTGCGGCTCTGCGCCA 314
422 GAGGCTGAGGGAGTCTCTGAGACCACTGATGTCGACCCGACGCGCGCTGCTTGG 481
315 GAGGCTGAGGAGTCTCTGACCGAGCGGACCCCTGCGACCGGACAGGGGCTCTTGG 374
482 TCAGCTTGGGACAGGCTCTGCGCGCCATGAGGCTGTGTCTCTTGGATGAGGATGACG 541
375 TGACTTGGGCTCCCGGCAACCGCAAGATCGGCGGTG---CACCGCAAGATGTGTC 431
542 TAGCTGAGAGTGAATGCGCGGAGGATCTGATGAGAGAGACCTTAAACCAATTGACG 601
432 TCCCTGATCTTCTGATGATGAGTGTGACGAGTGTGACGAGGAGTCTTCAAGACAGCTGCA 491
602 GGTCTGTGCGCGTGTGATGACGATGCTTCACTGCTCTGCGCTGTGATGAGGATGT 661
492 GTACAGTGTGACGCTGTGACGCGGCGGCTGAGGCTGCAAGCTGTGACGATGAGAGT 551
662 GCGGCTGCGGCTGAGGAGTGTGCGCGGCGGCAAGAGATGACGAGTGTGCGGAGTGTG 721
552 TGTGTGCGGCGGCTGAGGCTGCGGCTGCGGAGGAGTGTGACGAGTGTGCGGAGTGTG 611
722 CCGGCTGAGTGTGATGACGAGGAGTGTGACGCGGAGTGTGACGCGCTGCAAGCGCGCAAG 781
612 GAGAGTGTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 671
782 ACACAACTTCTGCGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 835
672 TTAACGATGAG 731
836 TTGAG 883
732 CCAGACACAG 779

RESULT 9
US-08-386-680-1
Sequence 1, Application US/08386680
Patent No. 5585270
GENERAL INFORMATION:
APPLICANT: Grotendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR

NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/386,680
FILING DATE: 10-FEB-1995
CLASSIFICATION: 435
PRIORITY DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE: US/07/752,427
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-386-680-1

Query Match 14.5%; Score 128.4; DB 1; Length 2075;
Best Local Similarity 52.2%; Pred. No. 8, 2e-26;
Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGACGCCACCTGATCCATCTTCCTGCGCACTTCCTCTGCTTCT 301
135 GCGCCGCACTATGAGGCCCCGCTCCGGCTCCCTTCTGCTCTCTCCCTCTGAGCCG 194
302 CTCATGATGATGTCGCCACCTGTCGCGACACCTGTACTCTCTTGGACCAACCCCA 361
195 GCGGCGCTGCGGCAACATGACGAGCGGCGGTCGCGTCCGAGACGCGCGCGCG 254
362 GTGCCCCACAGGGGGTACCCCTGTGCTGATGATGATGATGATGATGATGATGATGAT 421
255 CTGCCCCGAGGCGGAGCTGTGTCGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 314
422 GAGGCTGAGGGAGTCTCTGAGACCACTGATGTGCAACCCGACGAGGAGGAGGAGGAG 481
315 GAGAGTGTGAG 374
482 TAGGCTGAGGAG 541
375 TGACTTGGGCTCCCGGCAACCGCAAGATGCGGCTGTG---CACCGCAAGATGTGTC 431
542 TAGCTGATGAGGATGAGGCGGAGGATCTGATGAGGAGAGAGAGAGAGAGAGAGAGAG 601
432 TCCCTGATCTTCTGATGATGAGTGTGACGAGTGTGACGAGGAGGAGGAGGAGGAGAG 491
602 GGTCTGTGCGGCTGTGATGACGAGTGTGCTTCACTGCTGCGGCTGTGAGAGAGATGT 661

Db 492 GTACCAATGACAGTGCCTGACGCGGCGGTGGGCTGCATGCCCTGTGACATGACGT 551
QY 662 GCGGCTGCCAGCTGGGACTGCTCCCAACGCCCCAAGAAATACAGGTGCGAGAAAGTCTG 721
Db 552 TCGTCTGCCAGCCTGACTGCTCCCTTCCGAGAGAGGTCAAGCTGCGCGGAAATGCTG 611
QY 722 CCCCAGTGGGTATGTATGACCCAGGAGTGAACACCGGCGATCCAGGCTTCCAGCGCGCAAG 781
Db 612 CGAGAGTGGGTGTGTGACGAGCCCAAGACCAACCGTGTGGCTGTGCGCTGCGCGC 671
QY 782 ACACCACTTCTGCTCCCTTGTCACTCCGCTCTGC-----TGATGCTCTTGTCCAA 835
Db 672 TTACCGACTGGAAGACACGTTTGGCCCAAGACCACTATATATTAGACCAACTGCTGT 731
QY 836 TTGAGACACAGCTTGGGCGCCCTGCTCAACCACTGTGGGCTGGGCAAT 883
Db 732 CCAGACCAAGAGTGGAGCGCTGTCCAAAGACCTGTGGGATGGGCAAT 779

RESULT 10
US-08-459-717-1
; Sequence 1, Application US/08459717
; Patent No. 5770209
; GENERAL INFORMATION:
; APPLICANT: Grotenhorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,717
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/752,427
; FILING DATE: 30-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: DB60R32
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..1177
US-08-459-717-1

Query Match 14.5%; Score 128.4; DB 1; Length 2075;
Best local Similarity 52.2%; Pred. No. 8.2e-26;
Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;
QY 242 CGGTGACATGAGGGGCAAGCCATGATCAATCTTCTGSCCACTTCTTCCCTGCTCTTCT 301

Db 135 CGCGCCAGATATGAGGCCCCCTCCGCGCTTCTGTGATCTCTCTGCGCCCTTCCAGCGG 194
QY 302 CTCAAATGATGTGTGCCAGCTGTGCGGACACCCCTGTAACCTGTGCTTGAACACACCCCA 361
Db 195 GCGGCGCTGTGGCCAGAACTGACGCGGCGGCGGTGCGGATGCCGAGACAGCGCGCGCG 254
QY 362 GTGCCCAAGAGGGGTACCCCTGTGTGATGATGAGCTGTGATGAGTGTGACG 421
Db 255 CTGCGCGGCGGGGTGATGAGCTCTGTGTGAGCGGCTGTGCGGCTGTGCGCGCTCGCCAA 314
QY 422 GAGGCTGGGAGATCTCTGCAACCACTGTGATGTGTGAGACCCCAAGCGGCGCTGTG 481
Db 315 GCAAGCTGGGGAAGCTGTGACCGAGCGGACCCCTGTGACCCGCAAGAGGCGCTTCTG 374
QY 482 TCAGCTGGGCGAGGCGCTGTGCGGCGATGAGGCTGTGTCTCTGTGATGAGATGACG 541
Db 375 TGACTTGCGCTCCCGGCGCAACCGCAAGATCGGCGTGTG---CACCGCAAGATGTGTG 431
QY 542 TAGCTGAGGTGAATGGCCGCAAGTACCTGATGAGAGACCTTTAAACCAATTGCG 601
Db 432 TCCCTGATCTTCCGTGTACGTGTACGTGTACCGACGCGAGAGTCTTCCAGAGCACTCCAA 491
QY 602 GGTCTGTGCGCGCTGTGATGAGGTGTGCTTCACTGCTGCGCGGTGCGAGTGAAGT 661
Db 492 GTACCAATGACATGTCTGAGCGGCGGTGTGATGCGCTGTGACATGACGT 551
QY 662 GCGGCTGCCAGCTGGGACTGCTCCACGCCCCAAGAAATACAGGTGCGAGAAAGTCTG 721
Db 552 TCGTCTGCCAGCGCTGACTGCTCCCTTCCGAGAGAGGTCAAGTGTGCGGAAATGCTG 611
QY 722 CCCCAGTGGGTATGTGACCCAGGAGTGAACCGGCGATTCAGCGCTTCCAGCGCGCAAG 781
Db 612 CGAGAGTGGGTGTGTGACGAGGCCCAAGGACCAACCGTGTGTGGCTGCTCCCTGCGCGC 671
QY 782 ACACCACTTCTGCTCCCTTGTCACTCTGCTCTGC-----TGATGCTCTTGTCCAA 835
Db 672 TTACCGACTGGAAGACACGTTTGGCCCAAGACCACTATATATTAGACCAACTGCTGT 731
QY 836 TTGAGACACAGCTTGGGCGCCCTGCTCAACCACTGTGGGCTGGGCAAT 883
Db 732 CCAGACCAAGAGTGGAGCGCTGTCCAAAGACCTGTGGGATGGGCAAT 779

RESULT 11
US-08-712-302-1
; Sequence 1, Application US/08712302
; Patent No. 5783187
; GENERAL INFORMATION:
; APPLICANT: Grotenhorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.,
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,302
; FILING DATE: 11-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,680
; FILING DATE: 10-FEB-1995
; APPLICATION NUMBER: US/08/167,628

FILING DATE: US/07/752,427
 APPLICATION NUMBER: US/07/752,427
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Wetherell, Jr. Ph.D., John W.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: PD-1294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-455-5110
 TELEFAX: 619-455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2075 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-08-712-302-1

Query Match 14.5%; Score 128.4; DB 1; Length 2075;
 Best Local Similarity 52.2%; Pred. No. 8.2e-26;
 Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGAGGCGGACCTGATCCATCTTCTGCGCACTTCTCTGCTTCT 301
 135 CGCGGCGAGTATGAGGCGCGCTCGCGCTTCTGCTGCTTCTGCTGCGCGG 194
 302 CTCATGCTGTGTGCTGCGGAGCTGTGCGGACACCTGTACCTGTCTTGAACACCA 361
 195 GCGGCGCGTGGCGAAGATGACGCGGCGGTGCGGCGCGGCGGCGGCGGCGG 254
 362 GTGCGGCGAGGAGGAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 421
 255 CTGCGCGGCGGCGGT 314
 422 GAGGCTGAGGAGGAGTGTGCGGACCACTGATGCTGTGTGTGTGTGTGTGTGTGTGT 481
 315 GCAAGTGTGAGGAGT 374
 482 TCAAGCTGTGAGGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 541
 375 TGAATTGCGCTCCCGGCGCAACGCAAGATCGGCGTGTG---CACCGCCAAAGATG 431
 542 TAGCTGTGAGT 601
 432 TCCCTGATCTTGT 491
 602 GGTCTGTGCGGCTGT 661
 492 GTACATGT 551
 662 GCGGCTGCGGAGT 721
 552 TCGCTGTGCGGAGT 611
 722 CCGGAGT 781
 612 CGAGAGT 671
 782 ACAACACTTGTGCGCTGT 835
 672 TTACGAGT 731
 836 TTGAGGAGT 883
 732 CCAAGACAGAGT 779

RESULT 12

US-08-880-031-1
 Sequence 1, Application US/08880031
 Patent No. 5916756
 GENERAL INFORMATION:
 APPLICANT: Groendorst, Gary R.
 APPLICANT: Bradham Jr., Douglas M.
 TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESS: Spensley Horn Jubas & Lubitz
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/880,031
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/167,628
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Wetherell, Jr. Ph.D., John W.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: PD-1294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-455-5100
 TELEFAX: 619-455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2075 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-08-880-031-1

Query Match 14.5%; Score 128.4; DB 2; Length 2075;
 Best Local Similarity 52.2%; Pred. No. 8.2e-26;
 Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;

242 CGGTGACATGAGGGGAGGCGGACCTGATCCATCTTCTGCGCACTTCTCTGCTTCT 301
 135 CGCGGCGAGTATGAGGCGCGCTCGCGCTTCTGCTGCTTCTGCTGCGCGG 194
 302 CTCATGCTGTGTGCTGCGGAGCTGTGCGGACACCTGTACCTGTCTTGAACACCA 361
 195 GCGGCGCGTGGCGAAGATGACGCGGCGGTGCGGCGCGGCGGCGGCGGCGG 254
 362 GTGCGGCGAGGAGGAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 421
 255 CTGCGCGGCGGCGGT 314
 422 GAGGCTGAGGAGGAGTGTGCGGACCACTGATGCTGTGTGTGTGTGTGTGTGTGTGT 481
 315 GCAAGTGTGAGGAGT 374
 482 TCAAGCTGTGAGGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 541
 375 TGAATTGCGCTCCCGGCGCAACGCAAGATCGGCGTGTG---CACCGCCAAAGATG 431

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/080,715
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wehberell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5110
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-09-080-715-1

Query Match 14.5%; Score 128.4; DB 3; Length 2075;
Best Local Similarity 52.2%; Pred. No. 8,2e-26;
Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;
QY 242 CGGTGACATGAGGAGGAGCCGACCTGATCCATCTTCTGCGCACTTCTCTCTGCTTCT 301
DB 135 CGCCGCGAGTATGGGCGCCGCTGCGGCTGCGCTTCTGCTTCTGCTTCTGAGCG 194
QY 302 CTCAATGATGTGTGCGGAGCTGTGCGGACACCTGTGATCTGTCTTGAACACCAACCA 361
DB 195 GCGGCGCGTGGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 254
QY 362 GTGCGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 421
DB 255 CTGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 314
QY 422 GAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 481
DB 315 GAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 374
QY 482 TCAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 541
DB 375 TCAGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 431
QY 542 TAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 601
DB 432 TCCTGCACTCTTCTGAGTACGAGTACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 491
QY 602 GGTCTGTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 661
DB 492 GTACAGAGTACAGTACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 551
QY 662 GGGGCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 721
DB 552 TGGTGTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 611
QY 722 CCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 781
DB 612 CGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 671
QY 782 AACCAACTTCTGCGGCTGTGATCTCTGCTCTCTG-----TGATGCTCTTGTTCCAA 835

DB 672 TTACCGACCTGAGAGACACCTTTGGCCAGACCCAACTATGATTAGACCAAGCTGTGT 731
QY 836 TTGAGAGACAGCCTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 883
DB 732 CCAGACCAAGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 779

RESULT 15
US-09-142-569-7
Sequence 7, Application US/09142569
Patent No. 6413735
GENERAL INFORMATION:
APPLICANT: Lau, Lester F.
TITLE OR INVENTION: Extracellular Matrix Signalling Molecules
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/142,569
FILING DATE: 02-Apr-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28758/33766
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: "CTGF cDNA coding sequence"
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-142-569-7
Query Match 14.5%; Score 128.4; DB 4; Length 2075;
Best Local Similarity 52.2%; Pred. No. 8,2e-26;
Matches 338; Conservative 0; Mismatches 301; Indels 9; Gaps 2;
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DB 135 CGCCGCGAGTATGGGCGCCGCTGCGGCTGCGCTTCTGCTTCTGCTTCTGAGCG 194
QY 302 CTCAATGATGTGTGCGGAGCTGTGCGGACACCTGTGATCTGTCTTGAACACCAACCA 361
DB 195 GCGGCGCGTGGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 254
QY 362 GTGCGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 421
DB 255 CTGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 314
QY 422 GAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 481
DB 315 GAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 374

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OY 482 TCAGCTGGGCGAGGCCCTGGGCGCATGGGCGTGTGTCTCTTGTGATGAGATGACGG 541
Db 375 TGACTTCGGCTGCCCGCAACCGCAAGATCGGCGTGTG---CACCGCAAGATGTGC 431
OY 542 TAGCTGTAGGTGAATGGCCGCAAGTTACTGTGATGAGAGACCTTTAAACCAATTGCG 601
Db 432 TCCTCGCATCTTCGGTGTGATCGGTGTACCGCAGCGGAGAGTCTTCAGAGCAGCTGCA 491
OY 602 GGTCTGTGCGCGCTGTGATGACGGTGGCTTCACTGCGCGCTGTGTCAGTGAAGATGT 661
Db 492 GTACCAAGTGCAGGTGCTGTCGACGGGCGGTGGGCTGTCATGCCCCCTGTGCAAGCATGAGCT 551
OY 662 GCGGCTGCCCAAGCTGGGACTGGCCACGCCCCCAAGAAATACAGGTGCCAGGAAAGTCTG 721
Db 552 TCGTCTGCCCAAGCCTGACTGCCCCCTTCCGAGGAGGGTCAAGCTGCCCGGAAATGCTG 611
OY 722 CCCCAGTGGGTATGTGATCCAGGAGTGCACCGGCGATCCAGCGCTGCCACGGCGCAAG 781
Db 612 CGAGGAGTGGGTGTGTGACGAGCCCAAGACCMAACCGTGTGGGCTGCCCCCTGGCGGC 671
OY 782 ACACCAACTTCTGCGCCTTGTCACTCTGCTCTGC-----TGAATGCTCCTTGTCCAA 835
Db 672 TTACCGACTGGAAGACAGCTTTGGGCCAGACCCAACTATGATTAGAGCCAACTGCTGT 731
OY 836 TTGAGCAAGAGCTGGGCGCCCTGCTCAACCACTGTGGGCTGGGCAT 883
Db 732 CCAGACCAAGAGTGAAGCGCTGTTCAGAGCTGTGGGATGGGCAT 779
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Search completed: May 9, 2004, 06:32:27
Job time : 75.7605 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 05:00:41 ; Search time 392.185 Seconds
(without alignments)
10199.232 Million cell updates/sec

Title: US-10-010-408-1_COPY_1_883

Perfect score: 883
Sequence: 1 GAGCCTGCTGATCTCCAGAG.....ACCACTGTGGGCTGGGCAT 883

Scoring table:
IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5083172

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
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- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	883	100.0	1708	14	US-10-010-408-1 Sequence 1, App1
2	727.6	82.4	1734	15	US-10-112-267-17 Sequence 1, App1
3	727.6	82.4	1734	15	US-10-112-267-18 Sequence 18, App1
4	635	71.9	753	14	US-10-010-408-3 Sequence 3, App1
5	566	64.1	681	14	US-10-010-408-12 Sequence 12, App1
6	440	43.8	1337	9	US-09-915-582-30 Sequence 30, App1
7	440	43.8	1337	15	US-10-277-882-20 Sequence 30, App1
8	439.8	43.8	1352	9	US-09-915-582-14 Sequence 14, App1
9	439.8	43.8	1352	15	US-10-277-882-14 Sequence 14, App1
10	434.6	49.2	1266	13	US-10-147-493-319 Sequence 319, App
11	434.6	49.2	1266	13	US-10-145-127-319 Sequence 319, App
12	434.6	49.2	1266	13	US-10-160-503-319 Sequence 319, App
13	434.6	49.2	1266	13	US-10-143-118-319 Sequence 319, App
14	434.6	49.2	1266	13	US-10-144-993-319 Sequence 319, App

15	434.6	49.2	1266	13	US-10-158-787-319 Sequence 319, App
16	434.6	49.2	1266	13	US-10-140-024-319 Sequence 319, App
17	434.6	49.2	1266	13	US-10-140-808-319 Sequence 319, App
18	434.6	49.2	1266	13	US-10-152-405-319 Sequence 319, App
19	434.6	49.2	1266	13	US-10-127-852A-319 Sequence 319, App
20	434.6	49.2	1266	13	US-10-127-900A-319 Sequence 319, App
21	434.6	49.2	1266	13	US-10-128-685A-319 Sequence 319, App
22	434.6	49.2	1266	13	US-10-131-820A-319 Sequence 319, App
23	434.6	49.2	1266	13	US-10-142-886-319 Sequence 319, App
24	434.6	49.2	1266	13	US-10-146-728-319 Sequence 319, App
25	434.6	49.2	1266	13	US-10-146-786-319 Sequence 319, App
26	434.6	49.2	1266	13	US-10-147-499-319 Sequence 319, App
27	434.6	49.2	1266	13	US-10-157-798-319 Sequence 319, App
28	434.6	49.2	1266	15	US-10-028-072-319 Sequence 319, App
29	434.6	49.2	1266	15	US-10-121-049-319 Sequence 319, App
30	434.6	49.2	1266	15	US-10-123-904-319 Sequence 319, App
31	434.6	49.2	1266	15	US-10-140-470-319 Sequence 319, App
32	434.6	49.2	1266	15	US-10-175-746-319 Sequence 319, App
33	434.6	49.2	1266	15	US-10-176-918-319 Sequence 319, App
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35	434.6	49.2	1266	15	US-10-137-865-319 Sequence 319, App
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38	434.6	49.2	1266	15	US-10-143-114-319 Sequence 319, App
39	434.6	49.2	1266	15	US-10-140-002-319 Sequence 319, App
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41	434.6	49.2	1266	15	US-10-123-262-319 Sequence 319, App
42	434.6	49.2	1266	15	US-10-142-423-319 Sequence 319, App
43	434.6	49.2	1266	15	US-10-121-050-319 Sequence 319, App
44	434.6	49.2	1266	15	US-10-141-755-319 Sequence 319, App
45	434.6	49.2	1266	15	US-10-143-032-319 Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:
APPLICANT: John J. Castellet, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010, 408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044, 273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragoras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1708 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1001
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

Query Match 100.0%; Score 883; DB 14; Length 1708;
Best Local Similarity 100.0%; Pred. No. 2,5e-259;
Matches 883; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACGCTTGATCTCCAGAGACCTGGGGTGGGACAGGGGCTTGGCAAGGCTGACCC 60
DB 1 GACGCTTGATCTCCAGAGACCTGGGGTGGGACAGGGGCTTGGCAAGGCTGACCC 60
QY 61 GCTGGGAGTGGCTTGGATGGAGGCTTTATTACCTGGGAACTGAGAGCTAAGAGCTC 120
DB 61 GCTGGGAGTGGCTTGGATGGAGGCTTTATTACCTGGGAACTGAGAGCTAAGAGCTC 120
QY 121 CTGTAGCTTGTCTTAAAGCTTTAGACACTTGTGTGGCTTGGCTTCAACACTGTACA 180
DB 121 CTGTAGCTTGTCTTAAAGCTTTAGACACTTGTGTGGCTTGGCTTCAACACTGTACA 180
QY 181 CACCTTGTGTGGCTTCAACAAGGCTTCAAGCTTCAAGCTTGGCTTCAACAAGGAG 240
DB 181 CACCTTGTGTGGCTTCAACAAGGCTTCAAGCTTCAAGCTTGGCTTCAACAAGGAG 240
QY 241 ACGGTGACATGAGGGGAGCCCACTGATACCTCTTCTGCTCTCTCTCTCTCTCTC 300
DB 241 ACGGTGACATGAGGGGAGCCCACTGATACCTCTTCTGCTCTCTCTCTCTCTCTC 300
QY 301 TCTCATGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TCTCATGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 AGTGGCCACAGGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
DB 361 AGTGGCCACAGGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
QY 421 GGAAGCTGGGGAGTCTCTGCAACCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
DB 421 GGAAGCTGGGGAGTCTCTGCAACCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
QY 481 GTCAAGCTGGGGAGTCTCTGCAACCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
DB 481 GTCAAGCTGGGGAGTCTCTGCAACCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
QY 541 GTAAGCTGTAGT 600
DB 541 GTAAGCTGTAGT 600
QY 601 GGGTCTGTGCGCTGT 660
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DB 661 TGGGGTGGCCAGCTGGAGTGGCCAGCCCAAGAAATACAGAGTGGCCAGGAAGTGT 720
QY 721 GCGCCGAGTGGGATGTGACAGAGGAGTACACCGGCGATCCAGGCTCCAGCGGCAAG 780
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QY 781 GACACCACTTTCTGCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
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QY 841 GCACAGCTGGGGCCCTGCTCAACCACTGTGGGCTGGGAT 883
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RESULT 2
US-10-112-267-17
Sequence 17, Application US/10112267
Publication No. US2003068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P117682
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US/10/112,267
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1997-10-29
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-04-14
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17

Query Match 82.4%; Score 727.6; DB 15; Length 1734;
Best Local Similarity 91.9%; Pred. No. 7.4e-212;
Matches 816; Conservative 0; Mismatches 59; Indels 13; Gaps 4;

QY 3 CGCTTCTGATCTCCAGAGACCTGGGGTGGGACAGGGGCTTGGCAAGGCTGACGGCC 62
DB 13 CGCTTCTGATCTCCAGAGACCTGGGGTGGGACAGGGGCTTGGCAAGGCTGACGGCC 72
QY 63 TG-GGAGTGGCTTGAATGAGGCTTTATTACTGGGAACTGAGAGCTTAAGAGCTCC 121
DB 73 TGTGGAGTGGCTTGAATGAGGCTTTATTACTGGGAACTGAGAGCTTAAGAGCTCC 132
QY 122 TGTGAG--CTTGTCTTAAAGCTTTAGCACTTGTGTGGCTTGGCTTCAACACTGTCA 178
DB 122 TGTGAGCTTGTCTTAAAGCTTTAGCACTTGTGTGGCTTGGCTTCAACACTGTCA 192
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QY 179 GACACCTTGTGGGGCTTCCAGAGGCTTCAAGGCTTGAAGCTGGCTTCAACAAGG 238
DB 179 GACACCTTGTGGGGCTTCCAGAGGCTTCAAGGCTTGAAGCTGGCTTCAACAAGG 246
QY 193 GACACCTTGTGGGGCTTCCAGAGGCTTCAAGGCTTGAAGCTGGCTTCAACAAGG 246
DB 193 GACACCTTGTGGGGCTTCCAGAGGCTTCAAGGCTTGAAGCTGGCTTCAACAAGG 246
QY 239 ACAGGTGACATGAGGGGCAAGCCCACTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 298
DB 239 ACAGGTGACATGAGGGGCAAGCCCACTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 306
QY 247 ACAAGGTGACATGAGGGGCAAGCCCACTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 306
DB 247 ACAAGGTGACATGAGGGGCAAGCCCACTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGT 306
QY 299 TCTCATGT 358
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QY 359 CCAAGTGGCCACAGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 418
DB 359 CCAAGTGGCCACAGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 426
QY 367 CCAAGTGGCCACAGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 426
DB 367 CCAAGTGGCCACAGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 426
QY 419 ACGAGGCTGGGGAGTCTTGGAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 478
DB 419 ACGAGGCTGGGGAGTCTTGGAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 478

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Db	487	TTGTCAAGCTCTGAGGAGAGGAGCCCAAGTGGCGTGGTCTGTGTGCTCTTTCGAGAGGATGA	546
Qy	539	CGGAGAGCTGTGAAGTGAATGAGCGGACGAGTACCTGATGAGAGACCTTTAAACCAATTG	598
Db	547	CGGAGAGCTGTGAAGTGAATGAGCGGAGTACCTGATGAGAGACCTTTAAACCAATTG	606
Qy	599	CAGAGTCTGTGCGGCTGTGATGACGGTGGCTTCACTGCTGCGCTGTGTGCAATGAGA	658
Db	607	CAGAGTCTGTGCGGCTGTGATGACGGTGGTCTTCACTGCTGCGCTGTGTGCAATGAGA	666
Qy	659	TGTGCGGCTGCGGACGAGTGGAGCTGGCCAGCGCCCAAGAAATGAAGGTGCCAGAAAGTG	718
Db	667	TGTGCGGCTGCGGACGAGTGGAGCTGGCCAGCGCCCAAGAAATGAAGGTGCCAGAAAGTG	726
Qy	719	CTGCGCCCGAGTGGGTATGTGACCAAGGAGTGA--CACTGGCGATTCAGGCGTCCACGCG	775
Db	727	CTGCGCCCGAGTGGGTGTGTGACCAAGGAGTATGTGACCGGCAATCCAGCCCTCTCAGC	786
Qy	776	GCAAGGACACCAACTTTCTGCGCTTGTGACCTCTGCTCTGTGATGCTCTCTGTGCCAA	835
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RESULT 3

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Sequence: 8, Application: US/10112267
Publication No.: US20030068678A1
GENERAL INFORMATION:
  APPLICANT: Botstein, David A.
  APPLICANT: Cohen, Robert
  APPLICANT: Goddard, Audrey
  APPLICANT: Gurney, Austin L.
  APPLICANT: Hillan, Kenneth J.
  APPLICANT: Lawrence, David A.
  APPLICANT: Levine, Arnold J.
  APPLICANT: Pennica, Diane
  APPLICANT: Roy, Margaret Ann
  APPLICANT: Wood, William I.
  TITLE OR INVENTION: MSP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
  FILE REFERENCE: P1176R2
  CURRENT APPLICATION NUMBER: US/10/112,267
  PRIOR FILING DATE: 2002-03-27
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
  PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
  NUMBER OF SEQ. ID NOS: 156
  SEQ. ID NO: 18
  LENGTH: 1734
  TYPE: DNA
  ORGANISM: Mus musculus
  IS-10-112-267-18

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Query Match	82.4%;	Score 727.6;	DB 15;	Length 1734;
Best Local Similarity	91.9%;	Pred. No. 7.4e-212;		
Matches 816;	Conservative	0;	Mismatches 53;	Indels 13;
				Gap

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Db 1722 CGCTCTGATCTCCAGAGGACCCCGGGCTGGGACAGGGGCGCTTGGCGAGGCTGCAGCTTC 1663

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QY	179	GACACCTTCTGTGTGGCTTCCACGGGCTCACTTCAAGTTTGAAGTGGCTTCCAAAGG	238
Db	1542	GACACCTTCTTGTGTGGCTCTCTCGGAC-----TCAGTTTGAAGCTGGCTCCCAAGGG	1489
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QY	299	TCTCTCAATGTGTGTGCCAGCTGTGCGGAGCACTCTGAACCTGTCTTGAGACCAACC	358
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QY	359	CCAGTGGCCACAGGGGGGTACCCCTGTGTGTGTGATGTGCTGTGGCTGTGTAAAGTGTGC	418
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QY	419	ACGAGGCTGGGGAGTCTGTGCAACCACTGTGTGAGACCCCAAGAGGGGCTGTGT	478
Db	1308	ACGAGGCTGGGGAGTCTGTGCAACCACTGTGTGTGAGACCCCAAGAGGGGCTGTGT	1249
QY	479	TTGTAGCTTGGGGCAGGCTCTGTGGGCCAATGGGGCTGTGTGTCTCTTGATGATGATGA	538
Db	1248	TTGTCAAGCTTGGGGCAGGCTCTGTGGGCCAATGGGGCTGTGTGTCTCTTGATGATGATGA	1189
QY	539	CGGATGCTGAGGGTGAATGGCCGAGATGACTGGATGAGAGAGCACTTAAACCCATTTG	598
Db	1188	CGGATGCTGAGGGTGAATGGCCGAGATGACTGGATGAGAGAGCACTTAAACCCATTTG	1129
QY	599	CAGGGTCTGTGCGCTGTGATGACGGTGGCTTCACTGTGCTGCGCTGTGCAATGAGGA	658
Db	1128	CAGGGTCTTGTGCGCGCTGTGATGACGGTGGCTTCACTGTGCTGCGCTGTGCAATGAGGA	1069
QY	659	TGTGGGCTGCGCCAGCTGGAGCTGCCAGGCCCAAGAAATACAGGTGCCAGAAAGTG	718
Db	1068	TGTGGGCTGCGCCAGCTGGAGCTGCCAGGCCCAAGAAATACAGGTGCCAGAAAGTG	1009
QY	719	CTGCCCCGAGTGGGTATGTACACAGGAGTGA---CACGGGCATCTCAGGCTTCAAGG	775
Db	1008	CTGCCCCGAGTGGGTATGTACACAGGAGTGA---CACGGGCATCTCAGGCTTCAAGG	949
QY	776	GCAAGACACCAACTTCTGTGCTGTGTCACTCTGTGCTCTGTGTATGTCTTGTGCCAA	835
Db	948	CCAAGACACCAACTTCTGTGCTGTGTCACTCTGTGATGTGCGAGATGGCCCTGTCCAA	889
QY	836	TTGAGACACAGCTCTGGGGCCCGCTCAACCACTGTGGGCTTGGGAT	883
Db	888	CTGAGACACAGCTCTGGGGCCCGCTCAACCACTGTGGGCTTGGGAT	841

RESULT 4

US-10-010-408-5
Sequence 3, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellot, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
City: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 753 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..750
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-010-408-3

Query Match 71.9%; Score 635; DB 14; Length 753;
Best Local Similarity 100.0%; Pred. No. 1.2e-183; Indels 0; Gaps 0;
Matches 635; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

249 ATGAGGGGAGCCCACTGATCATCTGTGGCCACTTCTCTGCTTCTCTCATG 308
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1 ATGAGGGGAGCCCACTGATCATCTGTGGCCACTTCTCTGCTTCTCTCATG 60
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309 GTGTGTGCCAGCTGTGCCGACACCTCTGTACCTGTCTTGGACACCCCAAGTCCCA 368
|||||
61 GTGTGTGCCAGCTGTGCCGACACCTCTGTACCTGTCTTGGACACCCCAAGTCCCA 120
|||||
369 CAGGGGGTACCCCTGTGTGTGATGGCTGTGCTGCTGTAAGTGTGTGACGAGGCTG 428
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121 CAGGGGGTACCCCTGTGTGTGATGGCTGTGCTGCTGTAAGTGTGTGACGAGGCTG 180
|||||
429 GGGGAGTCCCTGCGACCACTGATGTGCGACCCCAAGGAGGCTGTGTGAGCT 488
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181 GGGGAGTCCCTGCGACCACTGATGTGCGACCCCAAGGAGGCTGTGTGAGCT 240
|||||
489 GGGGAGGCTGTGCCGACATGGGCTGTGTGTCTTGTGATGAGAGTACGCTGT 548
|||||
241 GGGGAGGCTGTGCCGACATGGGCTGTGTGTCTTGTGATGAGAGTACGCTGT 300
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549 GAGGTGAATGGCGGAGGATGAGTGAAGAGACCTTAAACCAATTGCAAGGCTCTG 608
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301 GAGGTGAATGGCGGAGGATGAGTGAAGAGACCTTAAACCAATTGCAAGGCTCTG 360
|||||
609 TGCCTGTGTGATGACGCTGTGCTTCACTGCTGCTGCTGTGATGAGAGTGTGAGCTG 668
|||||
361 TGCCTGTGTGATGACGCTGTGCTTCACTGCTGCTGCTGTGATGAGAGTGTGAGCTG 420
|||||
669 CCCAGTGTGATGACGCTGTGCTTCACTGCTGCTGCTGTGATGAGAGTGTGAGCTG 728
|||||
421 CCCAGTGTGATGACGCTGTGCTTCACTGCTGCTGCTGTGATGAGAGTGTGAGCTG 480
|||||
729 TGGGTATGTGACCGAGGAGTGAACCGGAGATCCAGGCTTCCACGGCGCAAGAACCA 788
|||||
481 TGGGTATGTGACCGAGGAGTGAACCGGAGATCCAGGCTTCCACGGCGCAAGAACCA 540
|||||

789 CTTTGTGCCCTTGTGACCTCTGCTGTGATGCTCTTGTCCAAATTGAGACACAGCC 848
|||||
541 CTTTGTGCCCTTGTGACCTCTGCTGTGATGCTCTTGTCCAAATTGAGACACAGCC 600
|||||
849 TGGGGCCCTGTGTCACCAACCACTGTGGGCTGGGGCAT 883
|||||
601 TGGGGCCCTGTGTCACCAACCACTGTGGGCTGGGGCAT 635
|||||

RESULT 5
US-10-010-408-12
Sequence 12, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castelli, Jr.
TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSER: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..681
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-010-408-12

Query Match 64.1%; Score 566; DB 14; Length 681;
Best Local Similarity 100.0%; Pred. No. 1.4e-162; Indels 0; Gaps 0;
Matches 566; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

318 CAGCTGTGCGGAGACACCTGTGACCTGTGACACCAACCCAGTGCACAGGGGATA 377
|||||
1 CAGCTGTGCGGAGACACCTGTGACCTGTGACACCAACCCAGTGCACAGGGGATA 60
|||||
378 CCCCTGTGTGATGAGCTGTGCTGTGTAAGTGTGTGACGAGAGCTGTGAGGATCC 437
|||||
61 CCCCTGTGTGATGAGCTGTGCTGTGTAAGTGTGTGACGAGAGCTGTGAGGATCC 120
|||||
438 TGGACCACTGTGATGTGTGACACCCAGGAGGCTGTGTGTGACGCTGTGAGGACAGC 497
|||||

Db	121	TGGACCACTTGATGTCCTGCAACCCGACGGGCTGGTTTGTCAAGCTGGGGCAGGC	180
Qy	498	CTGGGCGCCATGGGGCTGTGTCTCTTGGATGAGATGACGGTAGCTGTGAGGTAAAT	557
Db	181	CTGGGGGCCATGGGGCTGTGTGTCTTGGATGAGATGACGGTAGCTGTGAGGTAAAT	240
Qy	558	GGCGCGAGGTACTGGATGAGAGACCTTTAAACCAATTGACAGGTCTCTGTGCGCTGT	617
Db	241	GGCGCGAGGTACTGGATGAGAGACCTTTAAACCAATTGACAGGTCTCTGTGCGCTGT	300
Qy	618	GATGACGGTGGCTTCACTGCTGCGCGGTGACATGAGATGTGCGGCTGCGCAGCTGG	677
Db	301	GATGACGGTGGCTTCACTGCTGCGCGGTGACATGAGAGATGTGCGGCTGCGCAGCTGG	360
Qy	678	GATCGCCACGCCCCAAGAGAATACAGGTGCGCAGAGAAATGCTGCCGAGTGGGTATGT	737
Db	361	GATCGCCACGCCCCAAGAGAATACAGGTGCGCAGAGAAATGCTGCCGAGTGGGTATGT	420
Qy	738	GACCAAGGAGTGAACACGGCGATCCAGCGCTCACGGCGCAAGACACCAACTTCTGCC	797
Db	421	GACCAAGGAGTGAACACGGCGATCCAGCGCTCACGGCGCAAGACACCAACTTCTGCC	480
Qy	798	CTTGTCACTCTGCTCTCTGCTGATGCTCTTGTCCAAATTGGAGGACAGCCTGGGGCCCC	857
Db	481	CTTGTCACTCTGCTCTCTGCTGATGCTCTTGTCCAAATTGGAGGACAGCCTGGGGCCCC	540
Qy	858	TGCTCAACCAACTGTGGGCTGGGCAT	883
Db	541	TGCTCAACCAACTGTGGGCTGGGCAT	566

```

RESULT 6
US-09-915-582-30
: Sequence 30. Application US/09915582
: Patent No. US20020120103A1
: GENERAL INFORMATION:
:   APPLICANT: Rosen et al.
:   TITLE OF INVENTION: 17 Human Secreted Proteins
:   FILE REFERENCE: PS723P1
:   CURRENT APPLICATION NUMBER: US/09/915,582
:   CURRENT FILING DATE: 2001-07-27
:   PRIOR APPLICATION NUMBER: PCT/US01/01431
:   PRIOR FILING DATE: 2001-01-17
:   PRIOR APPLICATION NUMBER: 60/179,065
:   PRIOR FILING DATE: 2000-01-31
:   PRIOR APPLICATION NUMBER: 60/180,628
:   PRIOR FILING DATE: 2000-02-04
:   PRIOR APPLICATION NUMBER: 60/231,968
:   PRIOR FILING DATE: 2000-09-12
:   NUMBER OF SEQ ID NOS: 97
:   SOFTWARE: PatentIn Ver. 2.0
:   SEQ ID NO 30
:   LENGTH: 1337
:   TYPE: DNA
:   ORGANISM: Homo sapiens
:   FEATURE:
:   NAME/KEY: SITE
:   LOCATION: (1337)
:   OTHER INFORMATION: n equals a,t,g, or c
US-09-915-582-30

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Query Match	49.8%	Score 440;	DB 9;	Length 1337;
Best Local Similarity	78.3%	Pred. NO. 51e-124;		
Matches	539;	Conservative	3;	Mismatches 138; Indels 8; Gaps 1.

QY	196	CTCCAGGCCCTACCTTCGAGTTTGAACCTGCTCCACAAAGGAAACAGGTGACATGAGAGG	255
DB	2	CTTACAGTTTACCTTACAGGCTCAAAATGSGTTCGA-----GGGACATGAGAG	53
QY	256	GGAGCCCACTGATCCATCTTCTGCACTTCTCTCTGCTTCTTCATGATGCTGTG	315
DB	54	GCACCCGAAAGCCCACTCTCTGAGCTTCTCTCTCTCTCTCTCTCTCAAAAGGAGCGAA	113

OY	316	CCGACGTGTCGGGACACCCCTGACCTCTCCCTTGGACACACCCAGGTCGCCACAGGGG	375
Db	114	CCGACGTGTCGGGACACCAATGATACCTGACCCCTTGGCACCTCCGATGTCGGCTGGGAG	173
OY	376	TACCCCTGCTGTGATGAGCTGTGGCTGCTGTAAAGTGTGTGCACGAGGCTGGGGAGT	435
Db	174	TACCCCTGTGTCTGTGATGAGCTGTGGCTGTGTGCGGGTATGTGTCAAGCGGGCTGGGGAGC	233
OY	436	CTTGGGACCACTGTGATGTCTTGGCAACCCGACGAGGGCTGTGTGTCAAGCTTGGGGCAG	495
Db	234	CCTCGACCAACTCCACGCTTGGCAAGCGACGACGAGGGCTGTGTGTGCAAGCCCGGGGACG	293
OY	496	GCCCTGGGGGCATATGGGGCTGTGTGTCTCTTGGATGAGGATGACGGTATGCTGAGAGTGA	555
Db	294	GACCCGGTGAAGCGGGGGGCCCTGTGTCTCTTGGCAGAGGACACACAGCACTGTGAGGTGA	353
OY	556	ATGGCCGACAGATACCTGTGATGGAGAGACCTTTAAACCAATTGACGGGCTGTGTGCGCT	615
Db	354	AOGGCGCGCTGTATGCGGAGAGGGAGACCTTTCAGCCCACTGACAGCACTCCGCTGCGCT	413
OY	616	GTGATGACGATGGCTTCACTTGTGCTGCGGCTGTGTGACATGAGGATGTGTGGCTGCCAGCT	675
Db	414	GCGAGGACGGGGGCTTTCACCTGTGCGGTGCGCTGTGTGACGAGGATGTGTGCGCTGCCAGCT	473
OY	676	GGGACTGTGCCACGCGCCCAAGAAATACAGGTGCCACGAGAAAGTGCTGCCCGCGATGGGATAT	735
Db	474	GGGACTGTGCCCAACCCCAAGAGAGGTTCAGAGTCTGTGGAGAAATGTGTGCTGCCCTGATGGGTGT	533
OY	736	GTGACCAAGGAGTGTACACCGGCGATTCAGCGCTCCACGGCGCAAGGACACCAACTTTCGT	795
Db	534	GGCGCCAAAGAGGGGGGACTGTGGGGACCCAGCCCTTTCAGAGCCCAAGAACCCCAAGTTTTCG	593
OY	796	CCCTTGTACATCTGCTCTGTGTGTGATGTCTCTTGTGCCAAATTGGAGCACAGCTGGGGCC	855
Db	594	GCCTTGTCTTCTCCCTGTGCCCCCTGTGTGTCTCCCTGTCCAGAAATGAGACAGGCTTGGGGAC	653
OY	856	CCTGATCAACCACTGTGGGCTGGGCAT 883	
Db	654	CTGTGTGACCACTGTGTGGCTGGGCAT 681	

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RESULT
US-10-277-802-30
; Sequence 30, Application US/10277802
; Publication No. US20030190707A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 17 Human Secreted Proteins
FILE REFERENCE: PS723p1
CURRENT APPLICATION NUMBER: US/10/277,802
CURRENT FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: 09/915,582
PRIOR FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: PCT/US01/01431
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/19,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/231,968
PRIOR FILING DATE: 2000-09-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 1337
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1337)
OTHER INFORMATION: n equals a,t,g, or c
US-10-277-802-30

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Query Match 49.8%; Score 440; DB 15; Length 1337;
Best Local Similarity 78.3%; Pred. No. 5,1e-124;
Matches 539; Conservative 3; Mismatches 139; Indels 8; Gaps 1;

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QY 186 CTCCAGCGCTCACCCTTCAGGTTTGAAGTGGCTCCACAGGAGACAGGTGACATGAGG 255
DB 2 CTTCACAGTTTCACTTCAGGCTCAAAATGGSTCTGCA-----GGGACATGAGAG 53
QY 256 GAGAGCCACTGATTCATCTTTCAGGCACTTCTCTGCTCTGCTCTCTCAATGGTGTG 315
DB 54 GCACACCGAAGACCACTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 113
QY 316 CCAGGTGCGCGACACCTGTACCTGTCTTGGACAACAACCCAGTCCCAAGGAG 375
DB 114 CCGAGTGTCCGACACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 173
QY 376 TACCCCTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 435
DB 174 TACCCCTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 233
QY 436 CTTGGAACCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 495
DB 234 CTTGGAACCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 293
QY 496 GCGCTGCGCGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 555
DB 294 GACCCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 353
QY 556 ATGGCCGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 615
DB 354 ACGGCCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 413
QY 616 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 675
DB 414 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 473
QY 474 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 533
DB 736 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 795
QY 736 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 795
DB 534 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 593
QY 796 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 855
DB 594 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 653
QY 856 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 883
DB 654 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 681
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RESULT 8
US-09-915-582-14
; Sequence 14, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/09/915,582
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/119,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97

SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1352
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-915-582-14

Query Match 49.8%; Score 439.8; DB 9; Length 1352;
Best Local Similarity 78.4%; Pred. No. 5.9e-124;
Matches 543; Conservative 0; Mismatches 142; Indels 8; Gaps 1;

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QY 191 GTGGCTCCAGCGCTCACCCTTCAGGTTTGAAGTGGCTCCACAGGAGACAGGTGACAT 250
DB 3 GTCCGCTTCACAGTTTCACTTCAGGCTCAAAATGGSTCTGCA-----GGGACAT 54
QY 251 GAGAGGACAGCCACTGATTCATCTTTCAGGCACTTCTCTGCTCTCTCTCTCTCTCTCT 310
DB 55 GAGAGGACAGCCACTGATTCATCTTTCAGGCACTTCTCTGCTCTCTCTCTCTCTCTCT 114
QY 311 GTGGCTCCAGCGCTCACCCTTCAGGTTTGAAGTGGCTCCACAGGAGACAGGTGACAT 370
DB 115 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 174
QY 371 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 430
DB 175 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 234
QY 431 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 490
DB 235 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 294
QY 491 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 550
DB 295 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 354
QY 551 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
DB 355 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 414
QY 611 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 670
DB 415 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 474
QY 475 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 534
DB 671 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 730
QY 731 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 790
DB 535 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 594
QY 791 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 850
DB 595 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 654
QY 851 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 883
DB 655 GGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 687
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RESULT 9
US-10-277-802-14
; Sequence 14, Application US/10277802
; Publication No. US20030190707A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/277,802
; CURRENT FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431

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; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1352
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-277-802-14

Query Match      49.8%; Score 439.8; DB 15; Length 1352;
Best Local Similarity 78.4%; Pred. No. 5.9e-124;
Matches 543; Conservative 0; Mismatches 142; Indels 8; Gaps 1;

QY 191 GTGGCTTCACGCGCTCACTTCAGGTTTGAAGTGGCTCCAGAGGAGACCGGTACAT 250
Db 3 GTCCGCTTCACAGTTTCACTTCAGGCTCAAGGCTGGCTGCA-----GGAGCAAT 54
QY 251 GAGGGGAGCGCCAGCTGATTCATCTTCTGAGCCACTTCTCTGCTCTCTCAATGAT 310
Db 55 GAGAGGACACCGAAGACCCACCTCTGCTCTCTCTCTCTCTCTCTCTCTCAAGGT 114
QY 311 GTGTGCCAGCTGTGCGGACACCTGTACTGTCTTGGACACACCCCAAGTCCACA 370
Db 115 GCGTACCAGCTGTGCGGACACCATGTACTGCCCCCTGGCACCTCCCGCATCCCGCT 174
QY 371 GGGGATACCTGTGCTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 430
Db 175 GGGGATACCTGTGCTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 234
QY 431 GAGATCTGCGACCACTGATGTCTGCAACCCAGCGAGGCTGTGCTGCTGCTGCTG 490
Db 235 GAGGCTTCGACCACTGATGTCTGCAACCCAGCGAGGCTGTGCTGCTGCTGCTG 294
QY 491 GAGAGCCCTGCGGCGCATGAGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 550
Db 295 GAGAGCCCTGCGGCGCATGAGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 354
QY 551 GGTGAATGCGCGCAGTACCTGATGAGAGACCTTAAACCAATGCAAGGCTCTGTG 610
Db 355 GGTGAATGCGCGCAGTACCTGATGAGAGACCTTAAACCAATGCAAGGCTCTGTG 414
QY 611 CGGCTGATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 670
Db 415 CGGCTGATGACGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 474
QY 671 CAGCTGGAGTGCAGCGCCCAAGAAATACAGGTGCGAGAAATGCTGCTGCTGCTG 730
Db 475 CAGCTGGAGTGCAGCGCCCAAGAAATACAGGTGCGAGAAATGCTGCTGCTGCTG 534
QY 731 GGTATGTAACAGAGAGTGAACCGGCGATCCAGGCTCAAGGCGCAAGAACCAACT 790
Db 535 GGTATGTAACAGAGAGTGAACCGGCGATCCAGGCTCAAGGCGCAAGAACCAACT 594
QY 791 TTCTGCTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 850
Db 595 TTCTGCTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 654
QY 851 GGGCCCTGCTCAACCACTGTGGGCTGGGCAAT 883
Db 655 GGGACCTGCTCAACCACTGTGGGCTGGGCAAT 687

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria A.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-493-319

Query Match      49.2%; Score 434.6; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.3e-122;
Matches 512; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY 243 GGTGATGAGGGGAGCCCACTGATCCATCTTCTGCGCACTTCTGCTCTCTC 302
Db 4 GGGGACATGAGAGGACACCGAAGACCCACTCTGCTCTTCTCTCTCTCTCTCTC 63
QY 303 TCAATGATGAGGGGAGCCCACTGATCCATCTTCTGCGCACTTCTGCTCTCTC 362
Db 64 TCAATGATGAGGGGAGCCCACTGATCCATCTTCTGCGCACTTCTCTGCGCACT 123
QY 363 TGCCACAGGGGAGTACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 422
Db 124 TGCCACAGGGGAGTACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 183
QY 423 AGGTGAGGAGTCTGCGACCACTGATGCTGCAACCCAGCGAGGCTGTGCTGCTG 482
Db 184 CGGCTGAGGAGTCTGCGACCACTGATGCTGCAACCCAGCGAGGCTGTGCTGCTG 243
QY 483 CAGCTGAGGAGTCTGCGACCACTGATGCTGCAACCCAGCGAGGCTGTGCTGCTG 542
Db 244 CAGCTGAGGAGTCTGCGACCACTGATGCTGCAACCCAGCGAGGCTGTGCTGCTG 303
QY 543 AGTGTGAGTGAATGCGCGCAAGTACCTGATGAGAGACCTTAAACCAATGCAAG 602
Db 304 AGTGTGAGTGAATGCGCGCGCTGATGAGAGAGAGAGACCTTCAAGCTGCAAG 363
QY 603 GTCTGAGCGCTGATGAGAGGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 662
Db 364 ATCTGAGTGAATGCGCGCGCTGATGAGAGAGAGAGACCTTCAAGCTGCAAG 423
QY 663 CGGCTGAGCGCTGATGAGAGGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 722
Db 424 CGGCTGAGCGCTGATGAGAGGCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 483
QY 723 CCGAGTGGAGTGAATGAGAGGAGTGAACCGGCGATCCAGGCTCAAGCGCGCAAG 782
Db 484 CCGAGTGGAGTGAATGAGAGGAGTGAACCGGCGATCCAGGCTCAAGCGCGCAAG 543
QY 783 CACCAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 842
Db 544 CCGCAAGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 603

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RESULT 10
US-10-147-493-319
; Sequence 319, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:

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QY 843 ACAGCTGGGGCCCTGCTCAACCACTGTGGCTGGCAT 883
DB 604 ACAGCTGGGGACCTGCTCGACCACTGTGGGCTGGCAT 644

RESULT 11

US-10-145-127-319

Sequence 319, Application US/10145127

Publication No. US20040033558A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C252
CURRENT APPLICATION NUMBER: US/10/145,127
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-145-127-319

Query Match 49.2%; Score 434.6; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2,3e-122;
Matches 512; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY 243 GGTGATGAGGGGAGCCGACATGATCCATCTTCTGACCACTTCTCTGCTCTTC 302
DB 4 GGGGACATGAGAGGACACCGAAGACCCACCTCTGCTCTCTCTCTCTCTCTCTC 63
QY 303 TCAATGATGAGGGGAGCCGACATGATCCATCTTCTGACCACTTCTCTGCTCTTC 362
DB 64 TCAAGATGAGGAGGACACCGAAGACCCACCTCTGCTCTCTCTCTCTCTCTCTC 123
QY 363 TGCCCAAGAGGGGATACCTCTGCTGCTGATGCTGTGCTGCTGCTGCTGCTGCTG 422
DB 124 TGCCGCTGAGGATACCTCTGCTGCTGATGCTGTGCTGCTGCTGCTGCTGCTGCTG 183
QY 423 AGGCTGGGGAGTCTCGGACCACTGATGCTGCGACCCGACCAAGGCTGATTTGT 482
DB 184 CGGCTGGGGAGGCTCTGCGACCACTGATGCTGCGAGGCTGAGGCTGCTGCTGCTG 243
QY 483 CAGCTGGGGAGGCTCTGCGGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 542
DB 244 CAGCCCGGGAGGACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 303
QY 543 AGCTGTAGGATGATGCTGCGACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 602
DB 304 AGCTGTAGGATGATGCTGCGACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 363
QY 603 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 662
DB 364 ATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 423

QY 663 CGGCTGCCAGCTGGGACTGCGCCACGCCCCAAGAGAAATACAGTGTCCAGGAAATGTCTGC 722
DB 424 CGGCTGCCAGCTGGGACTGCGCCACGCCCCAAGAGAGGTTCAGAGTCTGCTGCTGCTGC 483
QY 723 CCCGAGTGGATATGTCACAGAGATGACACCGGACATCCAGGCTTCACGCGCCAGAGA 782
DB 484 CTTGAGTGGATGTCGCGCCACAGAGAGGAGACTGGGGACCCAGCCCCCTTCAGAGCCCAAGA 543
QY 783 CACCACTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 842
DB 544 CCCAGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 603
QY 843 ACAGCTGGGGCCCTGCTCAACCACTGTGGCTGGCAT 883
DB 604 ACAGCTGGGGACCTGCTCGACCACTGTGGGCTGGCAT 644

RESULT 12

US-10-160-503-319

Sequence 319, Application US/10160503

Publication No. US20040033559A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C446
CURRENT APPLICATION NUMBER: US/10/160,503
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-160-503-319

Query Match 49.2%; Score 434.6; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2,3e-122;
Matches 512; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY 243 GGTGATGAGGGGAGCCGACATGATCCATCTTCTGACCACTTCTCTGCTCTTC 302
DB 4 GGGGACATGAGAGGACACCGAAGACCCACCTCTGCTCTCTCTCTCTCTCTCTC 63
QY 303 TCAATGATGAGGGGAGCCGACATGATCCATCTTCTGACCACTTCTCTGCTCTTC 362
DB 64 TCAAGATGAGGAGGACACCGAAGACCCACCTCTGCTCTCTCTCTCTCTCTCTC 123
QY 363 TGCCCAAGAGGGGATACCTCTGCTGCTGATGCTGTGCTGCTGCTGCTGCTGCTG 422
DB 124 TGCCGCTGAGGATACCTCTGCTGCTGATGCTGTGCTGCTGCTGCTGCTGCTGCTG 183
QY 423 AGGCTGGGGAGTCTCGGACCACTGATGCTGCGACCCGACCAAGGCTGATTTGT 482
DB 184 CGGCTGGGGAGGCTCTGCGACCACTGATGCTGCGAGGCTGAGGCTGCTGCTGCTG 243
QY 483 CAGCTGGGGAGGCTCTGCGGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 542

Query Match 49.2%; Score 434.6; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.3e-122;
Matches 512; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

243 GGTGACATGAGGAGGAGCCCACTGATTCATCTTGTGGCACTTCTCTCTCTCTCTC 302
4 GGGGACATGAGAGGAGCAGCCAGACCCTCTCTCTCTCTCTCTCTCTCTCTCTC 63
303 TCAATGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 362
64 TCAAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 123
363 TGCCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 422
124 TGCCCGCTGAGAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 183
423 AGGCTGAGGAGGAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 482
184 CGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 243
483 CAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 542
244 CAGCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 303
543 AGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 602
304 AGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 363
603 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 662
364 ATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 423
423 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 722
663 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 483
424 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 483
723 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 782
484 CCGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 543
783 CACCAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 842
544 CCGCAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 603
843 ACAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 883
604 ACAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 644

RESULT 15
US-10-158-787-319
Sequence 319, Application US/10158787
Publication No. US20040039164A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3330RLC449
CURRENT APPLICATION NUMBER: US/10158,787
CURRENT FILING DATE: 2003-04-03
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-158-787-319

Query Match 49.2%; Score 434.6; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.3e-122;
Matches 512; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

243 GGTGACATGAGGAGGAGCCCACTGATTCATCTTGTGGCACTTCTCTCTCTCTCTC 302
4 GGGGACATGAGAGGAGCAGCCAGACCCTCTCTCTCTCTCTCTCTCTCTCTCTC 63
303 TCAATGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 362
64 TCAAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 123
363 TGCCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 422
124 TGCCCGCTGAGAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 183
423 AGGCTGAGGAGGAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 482
184 CGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 243
483 CAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 542
244 CAGCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 303
543 AGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 602
304 AGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 363
603 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 662
364 ATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 423
423 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 722
663 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 483
424 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 483
723 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 782
484 CCGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 543
783 CACCAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 842

Db 544 CCCCAGTTTCTGTGCTGTCTCTCCCTGCCCCCTGTGTCTCCCTGCCCGAGATGAGC 603
QY 843 ACAGCCTGGGGCCCCCTGTCTCAACCACTGTGGCTGGGCAAT 883
Db 604 ACGGCTTGGGGACCTGTCTGACCACTGTGGCTGGGCAAT 644

Search completed: May 9, 2004, 11:05:24
Job time : 394.185 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 06:27:47 ; Search time 73.5479 Seconds
(without alignments)
6662.619 Million cell updates/sec

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Perfect score: 883
Sequence: 1 GACGCTTGTGATCTCCAGAG.....ACCACCTGTGGCTGCGCAT 883

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 segs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	10.2	1734	US-09-182-145-17	Sequence 17, Appl
2	90	10.2	1734	US-09-182-145-18	Sequence 18, Appl
3	32	3.6	647	US-09-023-655-790	Sequence 790, Appl
4	32	3.6	738	US-09-182-145-38	Sequence 38, Appl
5	32	3.6	841	US-09-182-145-39	Sequence 39, Appl
6	32	3.6	1293	US-09-182-145-13	Sequence 13, Appl
7	32	3.6	1293	US-09-182-145-14	Sequence 14, Appl
8	27	3.1	51	US-09-182-145-117	Sequence 117, Appl
9	19	2.2	372	US-09-636-791A-11	Sequence 11, Appl
10	19	2.2	425	US-08-747-562-24	Sequence 24, Appl
11	19	2.2	616	US-09-385-982-220	Sequence 220, Appl
12	19	2.2	1196	US-09-149-476-225	Sequence 225, Appl
13	19	2.2	1220	US-09-149-476-57	Sequence 57, Appl
14	19	2.2	1514	US-09-213-768-1	Sequence 1, Appl
15	19	2.2	1539	US-09-668-680-13	Sequence 13, Appl
16	19	2.2	2031	US-09-252-991A-12122	Sequence 12122, A
17	19	2.2	2370	US-09-252-991A-12196	Sequence 12196, A
18	19	2.2	3120	US-09-252-991A-12395	Sequence 12395, A
19	19	2.2	220	US-09-213-768-2	Sequence 2, Appl
20	18	2.0	280	US-09-313-294A-742	Sequence 742, Appl
21	18	2.0	315	US-09-313-294A-482	Sequence 482, Appl
22	18	2.0	1218	US-09-252-991A-9482	Sequence 9482, Appl
23	18	2.0	1290	US-09-252-991A-9349	Sequence 9349, Appl
24	18	2.0	1422	US-09-489-039A-7028	Sequence 7028, Appl
25	18	2.0	1645	US-09-023-655-629	Sequence 629, Appl
26	18	2.0	1950	US-09-489-039A-6971	Sequence 6971, Appl
27	18	2.0	2196	US-09-252-991A-9319	Sequence 9319, Appl

ALIGNMENTS

28	18	2.0	2949	4	US-08-259-451-10	Sequence 10, Appl
29	18	2.0	3727	1	US-08-249-380-1	Sequence 1, Appl
30	18	2.0	8957	4	US-08-259-451-1	Sequence 1, Appl
31	17	1.9	44	4	US-09-182-145-152	Sequence 152, Appl
32	17	1.9	435	4	US-09-252-991A-7905	Sequence 7905, Appl
33	17	1.9	477	4	US-09-252-991A-6506	Sequence 6506, Appl
34	17	1.9	480	3	US-09-188-930-206	Sequence 206, Appl
35	17	1.9	480	4	US-09-312-283C-206	Sequence 206, Appl
36	17	1.9	556	4	US-09-833-381-2049	Sequence 2049, Appl
37	17	1.9	614	3	US-08-998-416-151	Sequence 151, Appl
38	17	1.9	661	3	US-08-578-634C-3	Sequence 3, Appl
39	17	1.9	661	4	US-09-430-010-3	Sequence 3, Appl
40	17	1.9	882	4	US-09-489-039A-2691	Sequence 2691, Appl
41	17	1.9	896	3	US-09-188-930-36	Sequence 36, Appl
42	17	1.9	896	4	US-09-312-283C-36	Sequence 36, Appl
43	17	1.9	933	3	US-08-987-743-1	Sequence 1, Appl
44	17	1.9	933	4	US-09-252-991A-6517	Sequence 6517, Appl
45	17	1.9	1308	3	US-08-987-743-5	Sequence 5, Appl

RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17
Query Match 10.2%; Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 7.9e-35;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 410 AGGTGTGACGGAGGCTGGGAGTCTGCGACCACTGTCATGTCTGCGACCCAGCCA 469
DB 418 AGGTGTGACGGAGGCTGGGAGTCTGCGACCACTGTCATGTCTGCGACCCAGCCA 477
QY 470 GGGCTGTGTTGTGTCAGCTTGGGCGAGGCC 499
DB 478 GGGCTGTGTTGTGTCAGCTTGGGCGAGGCC 507
RESULT 2
US-09-182-145-18/c
; Sequence 18, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:

APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-18

Query Match 10.2%; Score 90; DB 4; Length 1734;

Best Local Similarity 100.0%; Pred. No. 7.9e-35; Mismatches 0; Indels 0; Gaps 0;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 410 AGTGTGTGACGAGGCTGGGAGTCTGCGACCACTGATGTCTGACCCGACCA 469
DB 1317 AGTGTGTGACGAGGCTGGGAGTCTGCGACCACTGATGTCTGACCCGACCA 1258
QY 470 GGGCCCTGTTTGTCTGACGCTGGGCGACGAGCC 499
DB 1257 GGGCCCTGTTTGTCTGACGCTGGGCGACGAGCC 1228

RESULT 3
US-09-023-655-790

Sequence 790, Application US/09023655
Patent No. 6607879

GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.

APPLICANT: Susan G. Stuart

APPLICANT: Jeffrey J. Seilhamer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE

TITLE OF INVENTION: EXPRESSION

NUMBER OF SEQUENCES: 1508

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/023,655

FILING DATE: HEREMITH

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 790:
SEQUENCE CHARACTERISTICS:
LENGTH: 647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGTUT02
CLONE: 692911
US-09-023-655-790

Query Match 3.6%; Score 32; DB 4; Length 647;

Best Local Similarity 100.0%; Pred. No. 3.4e-06; Mismatches 0; Indels 0; Gaps 0;

Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 GAGGATGTGCGGCTGCCAGCTGGGACTGCC 685
DB 138 GAGGATGTGCGGCTGCCAGCTGGGACTGCC 169

RESULT 4
US-09-182-145-38

Sequence 38, Application US/09182145B
Patent No. 6387657

GENERAL INFORMATION:

APPLICANT: Botstein, David A.

APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Lawrence, David A.

APPLICANT: Levine, Arnold J.

APPLICANT: Pennica, Diane

APPLICANT: Roy, Margaret Ann

APPLICANT: Wood, William I.

TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

FILE REFERENCE: P1176R2

CURRENT APPLICATION NUMBER: US/09/182,145B

CURRENT FILING DATE: 1998-10-29

EARLIER APPLICATION NUMBER: US 60/063,704

EARLIER FILING DATE: 1997-10-29

EARLIER APPLICATION NUMBER: US 60/073,612

EARLIER FILING DATE: 1998-02-04

EARLIER APPLICATION NUMBER: US 60/081,695

EARLIER FILING DATE: 1998-04-14

NUMBER OF SEQ ID NOS: 156

SEQ ID NO 38

LENGTH: 738

TYPE: DNA

ORGANISM: Homo sapiens

US-09-182-145-38

Query Match 3.6%; Score 32; DB 4; Length 738;

Best Local Similarity 100.0%; Pred. No. 3.4e-06; Mismatches 0; Indels 0; Gaps 0;

Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGTGCTGATGAGGCTGGCTGCTG 406
DB 115 GTACCCCTGTGCTGATGAGGCTGGCTGCTG 146

RESULT 5
US-09-182-145-39

Sequence 39, Application US/09182145B
Patent No. 6387657

GENERAL INFORMATION:

APPLICANT: Botstein, David A.

APPLICANT: Cohen, Robert

```
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 39
LENGTH: 841
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1-841
OTHER INFORMATION: Sequence is synthesized.
Patent No. 6387657
US-09-182-145-39
```

```
Query Match
Best Local Similarity 3.6%; Score 32; DB 4; Length 841;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 654 GAGGATGTCGGCTGCCAGCTGGAGCTGCC 685
DB 417 GAGGATGTCGGCTGCCAGCTGGAGCTGCC 448
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```
RESULT 6
US-09-182-145-13
Sequence 13, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 13
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-13

Query Match
Best Local Similarity 3.6%; Score 32; DB 4; Length 1293;
Matches 32; Conservative 100.0%; Pred. No. 3.5e-06;
```

```
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 375 GTACCCCTGTGCTGGATGCTGTGCTGCTG 406
DB 148 GTACCCCTGTGCTGGATGCTGTGCTGCTG 179
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```
RESULT 7
US-09-182-145-14/C
Sequence 14, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 14
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-14
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Query Match
Best Local Similarity 3.6%; Score 32; DB 4; Length 1293;
Matches 32; Conservative 100.0%; Pred. No. 3.5e-06;
Mismatches 0; Indels 0; Gaps 0;
```

```
QY 375 GTACCCCTGTGCTGGATGCTGTGCTGCTG 406
DB 1146 GTACCCCTGTGCTGGATGCTGTGCTGCTG 1115
```

```
RESULT 8
US-09-182-145-117
Sequence 117, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
```

```

; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 117
; LENGTH: 51
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1-51
; OTHER INFORMATION: Sequence is synthesized.
; Patent No. 6387657
; US-09-182-145-117

Query Match          3.1%; Score 27; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.00093;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      380 CCTGATGCTGATGATGCTGCTGCTG 406
      1 CCTGATGCTGATGCTGCTGCTGCTG 27

RESULT 9
US-09-636-791A-11/c
; Sequence 11, Application US/09636791A
; Patent No. 6503703
; GENERAL INFORMATION:
; APPLICANT: Palese et al
; TITLE OF INVENTION: IDENTIFICATION AND USE OF ANTIVIRAL COMPOUNDS THAT
; TITLE OF INVENTION: INHIBIT INTERACTION OF HOST CELL PROTEINS AND VIRAL
; TITLE OF INVENTION: PROTEIN REQUIRED FOR VIRAL REPLICATION
; FILE REFERENCE: 6923-077-999
; CURRENT APPLICATION NUMBER: US/09/636,791A
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/148,263
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 372
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-636-791A-11

Query Match          2.2%; Score 19; DB 4; Length 372;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      617 TGATGACGCTGCTTACC 635
      80 TGATGACGCTGCTTACC 62

RESULT 10
US-08-747-562-24/c
; Sequence 24, Application US/08747562
; Patent No. 6578697
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BOLDIN, Mark
; APPLICANT: METT, Igor
; APPLICANT: VAPPOLOMEV, Eugene
; TITLE OF INVENTION: MODULATOR OF TNF/NGF SUPERFAMILY RECEPTORS
; TITLE OF INVENTION: AND SOLUBLE OLIGOMERIC TNF/NGF SUPERFAMILY RECEPTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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```

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,562
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05854
; FILING DATE: 11-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 109,632
; FILING DATE: 11-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 111,125
; FILING DATE: 02-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=15A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-747-562-24

Query Match          2.2%; Score 19; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      617 TGATGACGCTGCTTACC 635
      118 TGATGACGCTGCTTACC 100

RESULT 11
US-09-385-982-220/c
; Sequence 220, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: II
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 220
; LENGTH: 616
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) --(616)
; OTHER INFORMATION: n = A,T,C or G
; US-09-385-982-220

Query Match          2.2%; Score 19; DB 3; Length 616;
Best Local Similarity 100.0%; Pred. No. 8.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      617 TGATGACGCTGCTTACC 635
```

Db 127 TGATGCGGTGCTCACC 109

RESULT 12
US-09-149-476-225/c
Sequence 225, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
EARLIER FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
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EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601

EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
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EARLIER APPLICATION NUMBER: 60/043,569
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EARLIER APPLICATION NUMBER: 60/043,671
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EARLIER APPLICATION NUMBER: 60/043,674
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
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EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
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EARLIER APPLICATION NUMBER: 60/056,911
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EARLIER APPLICATION NUMBER: 60/056,636
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EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
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EARLIER APPLICATION NUMBER: 60/056,631
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EARLIER APPLICATION NUMBER: 60/056,845
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EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 2.2%; Score 19; DB 4; Length 1196;
Best Local Similarity 100.0%; Pred. No. 9.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 617 TGATGACGCTGCTTACCC 635
DB 114 TGATGACGCTGCTTACCC 116

RESULT 13
US-09-149-476-57/c
Sequence 57, Application US/09149476

Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002p1
CURRENT APPLICATION NUMBER: US/09/149,476
EARLIER FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
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EARLIER APPLICATION NUMBER: 60/040,334
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EARLIER APPLICATION NUMBER: 60/040,336
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EARLIER APPLICATION NUMBER: 60/047,600
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EARLIER APPLICATION NUMBER: 60/047,503
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EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,587
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
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EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11

EARLIER APPLICATION NUMBER: 60/043,565
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
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EARLIER APPLICATION NUMBER: 60/043,674
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EARLIER APPLICATION NUMBER: 60/043,669
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EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
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EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
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EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
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EARLIER APPLICATION NUMBER: 60/047,593
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EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 2.2%; Score 19; DB 4; Length 1220;
Best Local Similarity 100.0%; Pred. No. 9.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 617 TGATGACGGTGCTTACC 635
Db 128 TGATGACGGTGCTTACC 110

RESULT 14
US-09-213-768-1/c
Sequence 1, Application US/09213768
Patent No. 5985664
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
FILE REFERENCE: RTS-0026
CURRENT APPLICATION NUMBER: US/09/213,768

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; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 1514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (136)..(441)
US-09-213-768-1
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Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 617 TGATGACGGTGGCTTCACC 635
Db 136 TGATGACGGTGGCTTCACC 118
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RESULT 15
US-09-668-680-13
; Sequence 13, Application US/09668680
; Patent No. 6436703
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhou, Ping
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Xue, Aidong J.
; APPLICANT: Xu, Chongjun
; APPLICANT: Drmanac, Radoje T
; TITLE OF INVENTION: No. 6436703el Nucleic Acids and
; FILE REFERENCE: Polypeptides
; FILE REFERENCE: 790CIP2A
; CURRENT APPLICATION NUMBER: US/09/668,680
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pc_fl_genes Version 2.0
; SEQ ID NO 13
; LENGTH: 1539
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (130)..(1539)
US-09-668-680-13
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Query Match 2.2%; Score 19; DB 4; Length 1539;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 774 CTTCTCTGCTCTCTCTCA 792
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Search completed: May 9, 2004, 11:11:18
Job time : 74.5479 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

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Scoring table: OLIGO-NTC
Gapop 60.0, Gapept 60.0

Searched: 2941586 seqs, 2264995651 residues

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Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	566	64.1	681 14 US-10-010-408-12	Sequence 12, Appli
4	210	23.8	210 14 US-10-010-408-8	Sequence 8, Appli
5	177	20.0	177 14 US-10-010-408-5	Sequence 5, Appli
6	90	10.2	1734 15 US-10-112-267-17	Sequence 17, Appli
7	59	6.7	1734 15 US-10-112-267-18	Sequence 18, Appli
8	32	3.6	174 14 US-10-010-408-10	Sequence 10, Appli
9	32	3.6	199 9 US-09-864-761-23332	Sequence 23432, A
10	32	3.6	586 9 US-09-864-761-6698	Sequence 6698, Ap
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19	32	3.6	1266 13 US-10-158-787-319	Sequence 319, App
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34	32	3.6	1266 15 US-10-123-904-319	Sequence 319, App
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44	32	3.6	1266 15 US-10-142-419-319	Sequence 319, App
45	32	3.6	1266 15 US-10-123-262-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Gaeteliet, Jr.
TITLE OF INVENTION: NO. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESSES:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010, 408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044, 273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy B. Mandragouras

REGISTRATION NUMBER: 36, 207

REFERENCE/DOCKET NUMBER: MBI-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

SINCE THE END OF THE SECOND WORLD WAR, THE UNITED STATES HAS BEEN A LEADER IN THE DEVELOPMENT AND USE OF NUCLEAR ENERGY FOR PEACEFUL PURPOSES.

SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17

Query Match 10.2%; Score 90; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 2.7e-36;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 418 AGTGTGACAGGAGGCTGGGGAGTCTGACACCTGATGTTCGACCCGACCA 477

QY 470 GGGCGCTGTTGTTCAGCCTGGGGCAGGCC 499
DB 478 GGGCGCTGTTGTTCAGCCTGGGGCAGGCC 507

RESULT 7

US-10-112-267-18/c
Sequence 18, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P117672
CURRENT APPLICATION NUMBER: US/10/112.267
PRIOR FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US/09/182.145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-18

Query Match 10.2%; Score 90; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 2.7e-36;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 470 GGGCGCTGTTGTTCAGCCTGGGGCAGGCC 499
DB 1257 GGGCGCTGTTGTTCAGCCTGGGGCAGGCC 1228

RESULT 8

US-10-010-408-10
Sequence 10, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Caselliot, Jr.
TITLE OF INVENTION: NO. US20020165185A1 Heparin-Induced CCR-Like Molecules

and Uses Therefor

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010.408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MB1-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 174 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:

NAME/KEY: CDS
LOCATION: 1..174

SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-010-408-10

Query Match 6.7%; Score 59; DB 14; Length 174;
Best Local Similarity 100.0%; Pred. No. 4.4e-20;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 825 CCTTGTCCAATTGAGCAGCAGCCTGGGGCCCTGCTCAACCACTGTGGGCTGGGAT 883
DB 1 CCTTGTCCAATTGAGCAGCAGCCTGGGGCCCTGCTCAACCACTGTGGGCTGGGAT 59

RESULT 9

US-09-864-761-23432
Sequence 23432, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6

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; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
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; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23432
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL139352.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
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; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
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; OTHER INFORMATION: NT HIT: AF083500.1, EVALUATE 1.00e-108
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Query Match          3.6%; Score 32; DB 9; Length 199;
Best Local Similarity 100.0%; Pred. No. 4.8e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB      129 GAGGATGTCGGGCTGCCGAGCTGGGACTGCC 160
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RESULT 10
; Sequence 6698, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
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; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
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; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 6698
; LENGTH: 586
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL139352.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
; US-09-864-761-6698
;
Query Match          3.6%; Score 32; DB 9; Length 586;
Best Local Similarity 100.0%; Pred. No. 4.3e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
QY      654 GAGGATGTCGGGCTGCCGAGCTGGGACTGCC 685
      |||
DB      342 GAGGATGTCGGGCTGCCGAGCTGGGACTGCC 373
;
RESULT 11
; Sequence 790, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508

```

```
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
/ STREET: 3174 PORTER DRIVE
/ CITY: PALO ALTO
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 94304
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: word Perfect 6.1 for Windows/MS-DOS 6.2
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/641,643
/ FILING DATE: 14-Aug-2003
/
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: <Unknown>
/ FILING DATE: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Zeller, Karen J.
/ REGISTRATION NUMBER: 37,071
/ REFERENCE/DOCKET NUMBER: PA-0001 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (650) 855-0555
/ TELEFAX: (650) 845-4166
/
/ INFORMATION FOR SEQ ID NO: 790:
/
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 647 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: LUNGCTUT02
/ CLONE: 692911
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 790 :
US-10-641-643-790

Query Match          3.6%; Score 32; DB 17; Length 647;
Best Local Similarity 100.0%; Pred. No. 4.3e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      654 GAGGATGTGGCGGTGCTGCCAGCTGGGACTGCC 685
Db      138 GAGGATGTGGCGGTGCTGCCAGCTGGGACTGCC 169

RESULT 12
US-10-112-267-38
/ Sequence 38, Application US/10112267
/ Publication No. US20030068678A1
/ GENERAL INFORMATION:
/ APPLICANT: Botstein, David A.
/ APPLICANT: Cohen, Robert
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Lawrence, David A.
/ APPLICANT: Levine, Arnold J.
/ APPLICANT: Pennica, Diane
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/10/112,267
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
```

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/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
/ NUMBER OF SEQ ID NOS: 156
/ SEQ ID NO 38
/ LENGTH: 738
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-112-267-38

Query Match          3.6%; Score 32; DB 15; Length 738;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      375 GTACCCCTGTGCTGGAGTGGCTGTGGCTGCTG 406
Db      115 GTACCCCTGTGCTGGAGTGGCTGTGGCTGCTG 146

RESULT 13
US-10-112-267-39
/ Sequence 39, Application US/10112267
/ Publication No. US20030068678A1
/ GENERAL INFORMATION:
/ APPLICANT: Botstein, David A.
/ APPLICANT: Cohen, Robert
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Lawrence, David A.
/ APPLICANT: Levine, Arnold J.
/ APPLICANT: Pennica, Diane
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/10/112,267
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
/ NUMBER OF SEQ ID NOS: 156
/ SEQ ID NO 39
/ LENGTH: 841
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: 1-841
/ OTHER INFORMATION: Sequence is synthesized.
US-10-112-267-39

Query Match          3.6%; Score 32; DB 15; Length 841;
Best Local Similarity 100.0%; Pred. No. 4.1e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      654 GAGGATGTGGCGGTGCTGCCAGCTGGGACTGCC 685
Db      417 GAGGATGTGGCGGTGCTGCCAGCTGGGACTGCC 448

RESULT 14
US-10-147-493-319
/ Sequence 319, Application US/10147493
/ Publication No. US2004009217A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
```

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330RIC345
CURRENT APPLICATION NUMBER: US/10/147,493
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-147-493-319

Query Match 3.6%; Score 32; DB 13; Length 1266;
Best Local Similarity 100.0%; Pred. No. 4e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGCTGCTGATGCTGCTGCTGCTG 406
DB 136 GTACCCCTGCTGCTGATGCTGCTGCTGCTG 167

RESULT 15

US-10-145-127-319
Sequence 319, Application US/10145127
Publication No. US20040033558A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330RIC252
CURRENT APPLICATION NUMBER: US/10/145,127
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-145-127-319

Query Match 3.6%; Score 32; DB 13; Length 1266;
Best Local Similarity 100.0%; Pred. No. 4e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 375 GTACCCCTGCTGCTGATGCTGCTGCTGCTG 406
DB 136 GTACCCCTGCTGCTGATGCTGCTGCTGCTG 167
Search completed: May 9, 2004, 15:43:57
Job time : 393.185 secs

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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 04:40:51 ; Search time 14.6184 Seconds
(without alignments)
6643.418 Million cell updates/sec

Title: US-10-010-408-1_COPY_1534_1708

Perfect score: 175
Sequence: 1 AGTCCAGGAAGCTTGAAGCTT.....GCTAGAAATTAACCCAAA 175

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/prodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/prodata/2/ina/5C_COMB.seq: *
4: /cgn2_6/prodata/2/ina/5D_COMB.seq: *
5: /cgn2_6/prodata/2/ina/5E_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	126.2	72.1	1734	4	US-09-182-145-17
2	126.2	72.1	1734	4	US-09-182-145-18
3	30.2	17.3	573	4	US-09-107-532A-1389
4	29.8	17.0	1230025	4	US-09-198-452A-1
5	27.8	15.9	10825	3	US-08-652-265-1
6	27.8	15.9	10825	3	US-08-652-265-3
7	27.8	15.9	10825	3	US-08-652-265-5
8	27.8	15.9	10825	3	US-08-652-265-7
9	27.8	15.9	10825	3	US-08-834-497A-1
10	27.8	15.9	10825	3	US-08-834-497A-3
11	27.8	15.9	10825	3	US-08-834-497A-5
12	27.8	15.9	10825	3	US-08-834-497A-7
13	27.8	15.9	10825	3	US-09-503-444A-1
14	27.8	15.9	10825	3	US-09-503-444A-3
15	27.8	15.9	10825	3	US-09-503-444A-5
16	27.8	15.9	10825	3	US-09-503-444A-7
17	27.8	15.9	12146	4	US-09-277-457-27
18	27.8	15.9	12146	4	US-09-679-729-27
19	27.8	15.9	246240	2	US-08-724-394A-20
20	27.8	15.9	246240	2	US-08-724-394A-21
21	27.8	15.9	246240	2	US-08-724-394A-22
22	27.4	15.7	478	4	US-09-621-976-1741
23	27.2	15.5	482	4	US-09-621-976-13735
24	27	15.4	263	4	US-08-791-849A-14
25	26.8	15.3	1116	4	US-09-252-991A-495
26	26.8	15.3	1401	4	US-09-252-991A-562
27	26.8	15.3			Sequence 562, App

28	26.8	15.3	1682	4	US-09-220-132-82	Sequence 82, App1
29	26.8	15.3	11236	1	US-07-853-913-1	Sequence 1, App1
30	26.8	15.3	63000	4	US-09-780-172-18	Sequence 18, App1
31	26.6	15.2	519	1	US-08-438-753B-43	Sequence 43, App1
32	26.6	15.2	519	1	US-08-443-883A-43	Sequence 43, App1
33	26.6	15.2	519	2	US-08-631-328-43	Sequence 43, App1
34	26.6	15.2	519	2	US-08-455-524B-43	Sequence 43, App1
35	26.6	15.2	519	3	US-08-455-021B-43	Sequence 43, App1
36	26.6	15.2	519	3	US-09-045-467-43	Sequence 43, App1
37	26.6	15.2	588	1	US-08-438-753B-11	Sequence 11, App1
38	26.6	15.2	588	1	US-08-443-883A-11	Sequence 11, App1
39	26.6	15.2	588	2	US-08-631-328-11	Sequence 11, App1
40	26.6	15.2	588	2	US-08-455-524B-11	Sequence 11, App1
41	26.6	15.2	588	2	US-08-455-021B-11	Sequence 11, App1
42	26.6	15.2	588	3	US-09-045-467-11	Sequence 11, App1
43	26.6	15.2	1023	3	US-09-188-930-22	Sequence 22, App1
44	26.6	15.2	1023	4	US-09-312-283C-22	Sequence 22, App1
45	26.6	15.2	1687	4	US-09-203-258-159	Sequence 159, App

ALIGNMENTS

```
RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P116R2
; CURRENT FILING DATE: 1998-10-29
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17
Query Match 72.1%; Score 126.2; DB 4; Length 1734;
Best Local Similarity 86.3%; Pred. No. 2.1e-33;
Matches 151; Conservative 0; Mismatches 23; Indels 1; Gaps 1;
QY 1 AGTCCAGGAAGCTTGAAGCTTGTATTTTCAGGATGACATCTCTTAAGCACTGCAAAAC 60
Db 1536 AGTCCAGGAAGCTTGAAGCTTGTATTTTCAGGATGACATCTCTTAAGCACTGCAAAAG 1595
QY 61 AGGAAGCTTCACACCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 120
Db 1596 AAG-AGGCTTCACACCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1654
QY 121 GACAGAGAGTACTCTCTCTGAGAGACTGTCTAGGCTTGAATTAACCCAAA 175
Db 1655 AAGAGTAGAGTACCTCTCTCTGAGAGACTGAGCCCGCTGTAATTAACCCAAA 1709
RESULT 2
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US-09-182-145-18/c
; Sequence 18, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 18
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-18

Query Match 72.1%; Score 126.2; DB 4; Length 1734;
Best Local Similarity 86.3%; Pred. No. 2.1e-33;
Matches 151; Conservative 0; Mismatches 23; Indels 1; Gaps 1;
QY 1 AGTCAGGAAGTCTGAGCTTTGATTTTCAGGATGACATCTCTTAAGCACTCGCAAA 60
DB 199 AGTCAGGAAGTCTGAGCTTTGATTTTCAGGATGACATCTCTTAAGCACTCGCAAA 140
QY 61 AGGAAGGCTCCACACCTCTGCGAGGCCAGGCGCTTTCTTCTTCAGATGAGAAAGCAGG 120
DB 139 AAG-AGGCTCCACACTTCTGCGAGGCCAGGCGCTTTCTTCTTCAGATGAGAAAGCAGG 81
QY 121 GACAGCAGAGTACTCTCTCTGAGAGAGTACTGCTAGAGTAAACACCCAAA 175
DB 80 AACAGTAGAGTACCTCTCTCTGAGAGAGTACTGCTAGAGTAAACACCCAAA 26

RESULT 3
US-09-107-532A-1389
; Sequence 1389, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Atinello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 1389:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...573
SEQUENCE DESCRIPTION: SEQ ID NO: 1389:
US-09-107-532A-1389

Query Match 17.3%; Score 30.2; DB 4; Length 573;
Best Local Similarity 52.8%; Pred. No. 0.77;
Matches 65; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 22 TATTTTCAGGAATGACATCTCTTAAGCACTCGCAAAAGGAGGCTCCACACCTCTGG 81
DB 418 TATCTTCGTAATACAAAGCTTTTATCAAGTAATATAGAGGTTCCAAAGCATCA 477
QY 82 CAGGCCAGGCGCTTCTCTCAGCATGAGAAAGCAAGGACAGCAGATCTCTCT 141
DB 478 CACAAAGTGAATGCTCTTAACCGCAAGAAATTACGGCTCTGTGATCGCTACTAC 537
QY 142 GGA 144
DB 538 GTA 540

RESULT 4
US-09-198-452A-1
; Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prev
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1
; LENGTH: 1230025
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(15000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc feature
; LOCATION: (15001)..(30000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc feature
; LOCATION: (30001)..(45000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc feature

1	OTHER INFORMATION: n=a or c or g or t
2	NAME/KEY: misc feature
3	LOCATION: (420001)..(435000)
4	OTHER INFORMATION: n=a or c or g or t
5	NAME/KEY: misc feature
6	LOCATION: (435001)..(450000)
7	OTHER INFORMATION: n=a or c or g or t
8	NAME/KEY: misc feature
9	LOCATION: (465001)..(480000)
10	OTHER INFORMATION: n=a or c or g or t
11	NAME/KEY: misc feature
12	LOCATION: (480001)..(495000)
13	OTHER INFORMATION: n=a or c or g or t
14	NAME/KEY: misc feature
15	LOCATION: (495001)..(510000)
16	OTHER INFORMATION: n=a or c or g or t
17	NAME/KEY: misc feature
18	LOCATION: (510001)..(525000)
19	OTHER INFORMATION: n=a or c or g or t
20	NAME/KEY: misc feature
21	LOCATION: (525001)..(540000)
22	OTHER INFORMATION: n=a or c or g or t
23	NAME/KEY: misc feature
24	LOCATION: (540001)..(555000)
25	OTHER INFORMATION: n=a or c or g or t
26	NAME/KEY: misc feature
27	LOCATION: (555001)..(570000)
28	OTHER INFORMATION: n=a or c or g or t
29	NAME/KEY: misc feature
30	LOCATION: (570001)..(585000)
31	OTHER INFORMATION: n=a or c or g or t
32	NAME/KEY: misc feature
33	LOCATION: (585001)..(600000)
34	OTHER INFORMATION: n=a or c or g or t
35	NAME/KEY: misc feature
36	LOCATION: (600001)..(615000)
37	OTHER INFORMATION: n=a or c or g or t
38	NAME/KEY: misc feature
39	LOCATION: (615001)..(630000)
40	OTHER INFORMATION: n=a or c or g or t
41	NAME/KEY: misc feature
42	LOCATION: (630001)..(645000)
43	OTHER INFORMATION: n=a or c or g or t
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45	LOCATION: (645001)..(660000)
46	OTHER INFORMATION: n=a or c or g or t
47	NAME/KEY: misc feature
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49	OTHER INFORMATION: n=a or c or g or t
50	NAME/KEY: misc feature
51	LOCATION: (675001)..(690000)
52	OTHER INFORMATION: n=a or c or g or t
53	NAME/KEY: misc feature
54	LOCATION: (690001)..(705000)
55	OTHER INFORMATION: n=a or c or g or t
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57	LOCATION: (705001)..(720000)
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59	NAME/KEY: misc feature
60	LOCATION: (720001)..(735000)
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63	LOCATION: (735001)..(750000)
64	OTHER INFORMATION: n=a or c or g or t
65	NAME/KEY: misc feature
66	LOCATION: (750001)..(765000)
67	OTHER INFORMATION: n=a or c or g or t
68	NAME/KEY: misc feature
69	LOCATION: (765001)..(780000)
70	OTHER INFORMATION: n=a or c or g or t

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OTHER INFORMATION: n=a or c or g or t
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OTHER INFORMATION: n=a or c or g or t
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature

Query Match 17.0%; Score 29.8; DB 4; Length 1230025;
Best Local Similarity 60.5%; Pred. No. 26;
Matches 49; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

Qy 29 AGAATGACATCTTAAAGCATCTGCAGGAGGCTCCACCTCTGGAGGCCA 88
Db 807126 AAGACAGCAAAATTTTCAACCACTCACACAGGAATCCCGACAGCTTGCATCA 807185
Qy 89 GGGCCTTCTCTTCAGCATGA 109
Db 807186 GCACGGAATCTCTGCATCA 807206

RESULT 5
US-08-652-265-1
Sequence 1, Application US/08652265
Patent No. 6025130
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Glikre, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Hereditary Hemochromatosis Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 17957-000500
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:

NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis"
OTHER INFORMATION:
OTHER INFORMATION: /note= "No. 6025130mal or wild-type (unaffected)"
OTHER INFORMATION: Hereditary Hemochromatosis (HH) gene
OTHER INFORMATION: allele

NAME/KEY: -
LOCATION: 140..7319
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) allele
OTHER INFORMATION: cDNA (SEQ ID NO:9)"

FEATURE:
NAME/KEY: -
LOCATION: 3852..3891
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) genomic
OTHER INFORMATION: sequence surrounding variant for 2442 (C)
OTHER INFORMATION: allele (SEQ ID NO:41)"

FEATURE:
NAME/KEY: -
LOCATION: 5507..6023
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) genomic
OTHER INFORMATION: sequence surrounding variant for 2441 (G)
OTHER INFORMATION: allele (SEQ ID NO:20)"

FEATURE:
NAME/KEY: allele
LOCATION: replace(3872, "C")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 2442

FEATURE:
NAME/KEY: allele
LOCATION: replace(3878, "A")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 2447

FEATURE:
NAME/KEY: allele
LOCATION: replace(5834, "G")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 2441

US-08-652-265-1
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 113 AGACAAGGACGACGAGTACTCTCTGAGGAGTCTAGGCTTGAATTAACACCC 172
Db 2609 AGCCAGAGAGGAGATTTCTGAGCTCAGAGGTTCAAGACGAGCTGGCAACAGCA 2668
Qy 173 AAA 175
Db 2669 AAA 2671

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? NAME/KEY: allele
? LOCATION: replace(5834, "a")
? OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis"
? OTHER INFORMATION:
? OTHER INFORMATION: /label= 24d1
US-08-652-265-3
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1k; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 113 AGACAAAGGAGCAGCAGTACTCTCTCTGTGAGGACTTAGCTTGAATTAACACC 172
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2609 AGCCCAAGAGAGCAGATTCTTGAGTCAGGAGTTCAAAGCACCGCTGGCACAACAGA 2665

QY 173 AAA 175
|||
Db 2669 AAA 2671

RESULT 7
US-08-652-265-5
Sequence 5, Application US/08652265
Patent No. 6025130
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Gnirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Hereditary Hemochromatosis Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 17957-000500
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURES:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
LOCATION: 6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis"
OTHER INFORMATION:
OTHER INFORMATION: mutation
OTHER INFORMATION: /note= "Hereditary Hemochromatosis (HH)"
OTHER INFORMATION: gene 24d2 allele"

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RESULT 8
 US-08-652-265-7
 / Sequence 7, Application us/08652265
 / Patent No. 6025130
 / GENERAL INFORMATION:
 / APPLICANT: Thomas, Winston J.
 / APPLICANT: Drayna, Dennis T.
 / APPLICANT: Feder, John N.
 / APPLICANT: Gutirke, Andreas
 / APPLICANT: Ruddy, David
 / APPLICANT: Tsuchihashi, Zenta
 / APPLICANT: Wolf, Roger K.
 / TITLE OF INVENTION: Hereditary Hemochromatosis Gene
 / NUMBER OF SEQUENCES: 44
 / CORRESPONDENCE ADDRESSES:
 / ADDRESSEE: Townsend and Townsend and Crew LLP
 / STREET: Two Embarcadero Center, Eighth Floor
 / CITY: San Francisco
 / STATE: California
 / COUNTRY: USA
 / ZIP: 94111-3834
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/652,265
 / FILING DATE: 23-MAY-1996
 / CLASSIFICATION: 514
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Smith, William M.
 / REGISTRATION NUMBER: 30,223
 / REFERENCE/DOCKET NUMBER: 17957-000500
 / TELECOMMUNICATION INFORMATION:

US-08-834-497A-1
 ; Sequence 1, Application US/08834497A
 ; Patent No. 6140305
 ; GENERAL INFORMATION:
 ; APPLICANT: Thomas, Winston J.
 ; APPLICANT: Drayton, Dennis T.
 ; APPLICANT: Feder, John N.

APPLICANT: Gaitke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834,497A
FILING DATE: 04-APR-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/632,673
FILING DATE: 16-APR-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,912
FILING DATE: 04-APR-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0056-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis
OTHER INFORMATION: /product= "Hereditary Hemochromatosis
OTHER INFORMATION: /note= "No. 6140305mal or wild-type (unaffected)
OTHER INFORMATION: Hereditary Hemochromatosis (HH) gene
OTHER INFORMATION: allele"
FEATURE:
NAME/KEY: 140..7319
LOCATION: 140..7319
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) allele
OTHER INFORMATION: CDNA (SEQ ID NO:9)"
FEATURE:
NAME/KEY: 3852..3891
LOCATION: 3852..3891
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) genomic
OTHER INFORMATION: sequence surrounding variant for 24d2(C)
OTHER INFORMATION: allele (SEQ ID NO:41)"
FEATURE:
NAME/KEY:

LOCATION: 5507..6023
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: normal or wild-type (unaffected) genomic
OTHER INFORMATION: sequence surrounding variant for 24d1(G)
OTHER INFORMATION: allele (SEQ ID NO:20)"
FEATURE:
NAME/KEY: allele
LOCATION: replace(3872, "c")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 24d2
FEATURE:
NAME/KEY: allele
LOCATION: replace(3878, "a")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 24d7
FEATURE:
NAME/KEY: allele
LOCATION: replace(5834, "g")
OTHER INFORMATION: /phenotype= "normal or wild-type
OTHER INFORMATION: (unaffected)"
OTHER INFORMATION: /label= 24d1
US-08-834-497A-1
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
QY 113 AGACAGGAGCAGAGACTCTCTCGAGGAGACTAGCTTACCTTAATTAACACCC 172
DB 2609 AGCCGAGAGAGCAGATTCTTGAGCTCAGAGGTTCAACACGAGCTGGGCAACAGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671
RESULT 10
US-08-834-497A-3
Sequence 3, Application US/08834497A
Patent No. 6140305
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Dryana, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Gaitke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834,497A
FILING DATE: 04-APR-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/632,673
FILING DATE: 16-APR-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,912
FILING DATE: 04-APR-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Polissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0056-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
LOCATION: 6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis
OTHER INFORMATION:
OTHER INFORMATION: mutation"
OTHER INFORMATION: /note= "Hereditary Hemochromatosis (HH)
OTHER INFORMATION: gene 24d1 allele"
FEATURE:
NAME/KEY: -
LOCATION: 140..7319
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: 24d1 allele cDNA (SEQ ID NO:10)"
FEATURE:
NAME/KEY: -
LOCATION: 3852..3891
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: genomic sequence surrounding variant
OTHER INFORMATION: for 24d2(C) allele (SEQ ID NO:41)"
FEATURE:
NAME/KEY: -
LOCATION: 5507..6023
OTHER INFORMATION: /note= "start and stop positions for
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OTHER INFORMATION: for 24d1(A) allele (SEQ ID NO:21)"
FEATURE:
NAME/KEY: allele
LOCATION: replace(5834, "a")
OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis
OTHER INFORMATION:
OTHER INFORMATION: /label= 24d1
US-08-834-497A-3
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.4%; Pred. No. 17; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 22;
QY 113 AGACAGGAGCAGCAGAGTCTCTCTGAGAGAGCTAGCTTAGAATTAACACCC 172
DB 2609 AGCCGAGGAGCAGCAGATTCTGAGCTCAGAGAGTCAAGACGAGCCTGGCAACACAGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671

RESULT 11
US-08-834-497A-5
Sequence 5, Application US/08834497A
Patent No. 6140305

GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Goltke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Teuchlahti, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834,497A
FILING DATE: 04-APR-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/632,673
FILING DATE: 16-APR-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,912
FILING DATE: 04-APR-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Polissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0056-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
LOCATION: 6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis
OTHER INFORMATION:
OTHER INFORMATION: mutation"
OTHER INFORMATION: /note= "Hereditary Hemochromatosis (HH)
OTHER INFORMATION: gene 24d2 allele"
FEATURE:
NAME/KEY: -
LOCATION: 140..7319
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: 24d2 allele cDNA (SEQ ID NO:11)"
FEATURE:
NAME/KEY: -
LOCATION: 3852..3891
OTHER INFORMATION: /note= "start and stop positions for
OTHER INFORMATION: genomic sequence surrounding variant
OTHER INFORMATION: for 24d2(G) allele (SEQ ID NO:42)"

FEATURE:
NAME/KEY: -
LOCATION: 5507..6023
OTHER INFORMATION: /note="start and stop positions for
OTHER INFORMATION: genomic sequence surrounding variant
OTHER INFORMATION: for 24d1(G) allele (SEQ ID NO:20)"
FEATURE:
NAME/KEY: allele
LOCATION: replace(3872, "g")
OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis"
OTHER INFORMATION: /label= 24d2
US-08-834-497A-5
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
QY 113 AGACAAGGACAGACAGTCTCTCTGAGAGACTAGCTTGAATTAACACCC 172
DB 2609 AGCCCAAGGAGAGCAGATTCTGAGCTCAGAGTTCAGACCGCCTGGCAACAGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671
RESULT 12
US-08-834-497A-7
Sequence 7, Application US/08834497A
Patent No. 6140305
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Gutirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchinashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834,497A
FILING DATE: 04-APR-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/652,265
FILING DATE: 23-MAY-1996
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/632,673
FILING DATE: 16-APR-1996
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/630,912
FILING DATE: 04-APR-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Polissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0056-999

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
LOCATION: 6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis"
OTHER INFORMATION:
OTHER INFORMATION: and 24d2 mutations"
OTHER INFORMATION: /note="Hereditary Hemochromatosis (HH)
OTHER INFORMATION: gene containing a combination of both
OTHER INFORMATION: 24d1 and 24d2 alleles"
FEATURE:
NAME/KEY: -
LOCATION: 140..7319
OTHER INFORMATION: /note="start and stop positions for
OTHER INFORMATION: cDNA containing a combination of both
OTHER INFORMATION: 24d1 and 24d2 alleles
OTHER INFORMATION: (SEQ ID NO:12)"
FEATURE:
NAME/KEY: -
LOCATION: 3852..3891
OTHER INFORMATION: /note="start and stop positions for
OTHER INFORMATION: genomic sequence surrounding variant
OTHER INFORMATION: for 24d2(G) allele (SEQ ID NO:42)"
FEATURE:
NAME/KEY: -
LOCATION: 5507..6023
OTHER INFORMATION: /note="start and stop positions for
OTHER INFORMATION: genomic sequence surrounding variant
OTHER INFORMATION: for 24d1(A) allele (SEQ ID NO:21)"
FEATURE:
NAME/KEY: allele
LOCATION: replace(3872, "g")
OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis"
OTHER INFORMATION: /label= 24d2
FEATURE:
NAME/KEY: allele
LOCATION: replace(5834, "a")
OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis"
OTHER INFORMATION: /label= 24d1
US-08-834-497A-7
Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
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DB 2609 AGCCCAAGGAGAGCAGATTCTGAGCTCAGAGTTCAGACCGCCTGGCAACAGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671
RESULT 13
US-09-503-444A-1
Sequence 1, Application US/09503444A
Patent No. 6228594
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.

APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Gnirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchinashi, Zenta
APPLICANT: Wolf, Roger K.
TITLE OF INVENTION: Hereditary Hemochromatosis Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect Version 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/503,444A
FILING DATE: 14-Feb-2000
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/652,265
FILING DATE: 23-May-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,673
FILING DATE: 16-Apr-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/630,912
FILING DATE: 04-Apr-1996
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0088-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
LOCATION: 6040..6153, 7107..7147)
OTHER INFORMATION: /product="Hereditary Hemochromatosis
OTHER INFORMATION:
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FEATURE:
NAME/KEY: -
LOCATION: 140..7319
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FEATURE:
NAME/KEY: -
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OTHER INFORMATION: sequence surrounding variant for 24d2(C)
OTHER INFORMATION: allele (SEQ ID NO:41)"
FEATURE:
NAME/KEY: -
LOCATION: 5507..6023

OTHER INFORMATION: /note="start and stop positions for
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US-09-503-444A-1

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Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

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Db 2609 AGCCAAAGAGACAGACATTCCTGAGCTCAGAGAGTCAAGACCAAGCTGGGCAACACGCA 2668

QY 173 AAA 175
Db 2669 AAA 2671

RESULT 14
US-09-503-444A-3
Sequence 3, Application US/09503444A
Patent No. 6228594
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Gnirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Tsuchinashi, Zenta
APPLICANT: Wolf, Roger K.
TITLE OF INVENTION: Hereditary Hemochromatosis Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect Version 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/503,444A
FILING DATE: 14-Feb-2000
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/652,265
FILING DATE: 23-May-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,673
FILING DATE: 16-Apr-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/630,912
FILING DATE: 04-Apr-1996
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0088-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
6040..6153, 7107..7147)
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OTHER INFORMATION:
OTHER INFORMATION: mutation
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OTHER INFORMATION: gene 24d1 allele"
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LOCATION: 5507..6023
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OTHER INFORMATION: for 24d1 (A) allele (SEQ ID NO:21)"
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NAME/KEY: allele
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US-09-503-444A-3
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DB 2609 AGGCCAAGAGAGAGAGATTCTGAGCTCAGAGATTCAAGACCACTGGGACACACGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671

RESULT 15
US-09-503-444A-5
Sequence 5, Application US/09503444A
Patent No. 6228594
GENERAL INFORMATION:
APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.

APPLICANT: Gnirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Teuchihaishi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Hereditary Hemochromatosis Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect Version 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/503,444A
FILING DATE: 14-Feb-2000
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/652,265
FILING DATE: 23-May-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,673
FILING DATE: 16-Apr-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/630,912
FILING DATE: 04-Apr-1996
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0088-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 10825 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(361..436, 3762..4025, 4235..4510, 5606..5881,
6040..6153, 7107..7147)
OTHER INFORMATION: /product= "Hereditary Hemochromatosis"
OTHER INFORMATION:
OTHER INFORMATION: mutation
OTHER INFORMATION: /note= "Hereditary Hemochromatosis (HH)"
OTHER INFORMATION: gene 24d2 allele"
FEATURE:
NAME/KEY: -
LOCATION: 140..7319
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OTHER INFORMATION: 24d2 allele cDNA (SEQ ID NO:11)"
FEATURE:
NAME/KEY: -
LOCATION: 3852..3891
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LOCATION: 5507..6023
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FEATURE:

NAME/KEY: allele
LOCATION: replace(3872, "g")
OTHER INFORMATION: /phenotype= "Hereditary Hemochromatosis"
OTHER INFORMATION: /label= 24d2
US-09-503-444A-5

Query Match 15.9%; Score 27.8; DB 3; Length 10825;
Best Local Similarity 65.1%; Pred. No. 17;
Matches 41; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 113 AGACAAAGGACAGCAGACTCTCTCTGAGAGACTAGTCTAGACCTAGATTAACACCC 172
DB 2609 AGGCCAAGGAGAGCAGATCTCTGAGCTCAGAGATTCAAGACAGCCTGGGCAACACAGCA 2668
QY 173 AAA 175
DB 2669 AAA 2671

Search completed: May 9, 2004, 06:32:33
Job time : 20.6184 secs

GenCore version 5.1.6
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OW nucleic - nucleic search, using sw model

Run on: May 9, 2004, 05:00:41 ; Search time 77.7263 Seconds
(without alignments)
10199.232 Million cell updates/sec

Title: US-10-010-408-1_COPY_1534_1708

Perfect score: 175
Sequence: 1 AGCCAGAGAACTGAGCTT.....GCCCTGAAATAAACCCCAAA 175

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	125.8	71.9	439	10	US-09-956-622A-23
5	57	32.6	65	10	US-09-908-975-2937
6	32.2	18.4	1224	16	US-10-260-238-611
7	31.2	17.8	707	13	US-10-027-632-12045
8	31.2	17.8	707	16	US-10-027-632-12045
9	30.8	17.6	463	9	US-09-796-692-359
10	30.8	17.6	463	15	US-09-796-692-4928
11	30.8	17.6	463	15	US-10-040-862-359
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15	30.8	17.6	463	16	US-10-154-884B-359	Sequence 359, App
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17	30	17.1	483	9	US-09-864-761-1000	Sequence 1000, App
18	30	17.1	1096	9	US-09-864-761-17772	Sequence 17772, A
19	30	17.1	2016	13	US-10-276-774-764	Sequence 764, App
20	30	17.1	46604	13	US-10-087-192-835	Sequence 835, App
21	30	17.1	200400	13	US-10-087-192-1033	Sequence 1033, App
22	29.8	17.0	2538	13	US-10-282-122A-18508	Sequence 18508, A
23	29.8	17.0	1230025	16	US-10-289-762-1	Sequence 1, Appl
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25	29.4	16.8	1753	15	US-10-161-803-23	Sequence 23, Appl
26	29.4	16.8	3915	15	US-10-161-803-23	Sequence 189, Appl
27	29.4	16.8	6236	13	US-10-381-327-16	Sequence 16, Appl
28	29.2	16.7	466	10	US-09-814-353-1693	Sequence 13693, A
29	29.2	16.7	177249	16	US-10-085-117-223	Sequence 223, App
30	29	16.6	624	13	US-10-027-632-205550	Sequence 205550, Sequence 205550,
31	29	16.6	624	16	US-10-027-632-205550	Sequence 110489, Sequence 110489,
32	29	16.6	851	13	US-10-027-632-110489	Sequence 3817, App
33	29	16.6	851	16	US-09-864-408A-3817	Sequence 222, App
34	28.8	16.5	274	11	US-09-560-863-222	Sequence 25324, A
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RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castelli, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
and Uses Therefor

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street
CITY: Boston
STATE: Massachusetts

COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273

FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras

REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: WBI-004

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

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; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1708 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 249..1001
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

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Best Local Similarity 100.0%; Pred. No. 6e-53;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 GACAGCAGAGTACTCTCTCTGAGAGACTAGCTAGCTAGAAATAAACCCCAA 175
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RESULT 2
US-10-112-267-17
; Sequence 17, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David J.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-112-267-17

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Best Local Similarity 86.3%; Pred. No. 3.5e-35;
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RESULT 3
US-10-112-267-18/c
; Sequence 18, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David J.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 18
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-112-267-18

Query Match      72.1%; Score 126.2; DB 15; Length 1734;
Best Local Similarity 86.3%; Pred. No. 3.5e-35;
Matches 151; Conservative 0; Mismatches 23; Indels 1; Gaps 1;

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QY 61 AGAAGGCTCCACACTCTTGCGACAGCGGCGCTTCTCTCAGCATGAGAAAGCAAG 120
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DB 80 AACAGTAGAGTACTCTCTCTGAGAGACTGCGCCGCTTGAAATAAACCCCAA 26

RESULT 4
US-09-956-622A-23
; Sequence 23, Application US/0995622A
; Publication No. US20030091973A1
; GENERAL INFORMATION:
; APPLICANT: Horesovsky, Gregory J
; APPLICANT: No. US20030091973A1 II, L. Staton
; APPLICANT: Raha, Debashish
; APPLICANT: Method of Identifying Osteoregenerative Agents Using
; TITLE OF INVENTION: Method of Identifying Osteoregenerative Agents Using
; FILE REFERENCE: 21402-445
; CURRENT APPLICATION NUMBER: US/09/956,622A
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,579
```

PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 53
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 23
LENGTH: 439
TYPE: DNA
ORGANISM: Rattus norvegicus
US-09-956-622A-23

Query Match 71.9%; Score 125.8; DB 10; Length 439;
Best Local Similarity 96.8%; Pred. No. 2.9e-35;
Matches 150; Conservative 0; Mismatches 2; Indels 3; Gaps 2;

QY 1 AGTCGAGAACTGACCTTGTATTTTCAGAAATGACATCTCTTAAGACCTGCAAAAC 60
DB 285 AGTCGAGAACTGACCTTGTATTTTCAGAAATGACATCTCTTAAGACCTGCAAAAC 344
QY 61 AGGAGGCTTCACACCTCTTGAGGCGCAGGCGCTTCTCTTCAGCATGAGAAAGCAAG 120
DB 345 AGGAGGCTTCACACCTCTTGAGGCGCAGGCGCTTCTCTTCAGCATGAGAAAGCAAG 404
QY 121 G-ACAGCAGATAC-TCTCCTCTGAGAGACTAGT 152
DB 405 GGACGAGCAGAGACTTTCTCTGAGAGACTAGT 439

RESULT 5

US-09-908-975-2937
Sequence 2937, Application US/09908975
Publication No. US20030165843A1
GENERAL INFORMATION:
APPLICANT: SHOSHAN, Avi
APPLICANT: MASSEMAN, Alon
APPLICANT: MINTZ, Eli
APPLICANT: FAIGER, Simchon
TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLIC
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
FILE REFERENCE: 36688-0005
CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: US 60/221,607
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 32337
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2937
LENGTH: 65
TYPE: DNA
ORGANISM: Rattus norvegicus
US-09-908-975-2937

Query Match 32.6%; Score 57; DB 10; Length 65;
Best Local Similarity 92.3%; Pred. No. 1.5e-10;
Matches 60; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 26 TTCGGAATGACATCTCTTAAGACCTGCAAAAGGCTCCACACTCGGAGG 85
DB 1 TTCGGAATGACATCTCTTAAGACCTGCAAAAGGCTCCACACTCTTAAGAC 60
QY 86 CCAGG 90
DB 61 CAGGG 65

RESULT 6

US-10-260-238-611/C
Sequence 611, Application US/10260238
Publication No. US20040016025A1
GENERAL INFORMATION:
APPLICANT: Budworth, Paul R.
APPLICANT: Moughamer, Todd G.

APPLICANT: Briggs, Steven P.
APPLICANT: Cooper, Bret
APPLICANT: Glazebrook, Jane
APPLICANT: Goff, Stephen A.
APPLICANT: Katagiri, Rumiaki
APPLICANT: Kreps, Joel
APPLICANT: Provart, Nicholas
APPLICANT: Ricke, Darrell
APPLICANT: Zhu, Tong
TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
FILE REFERENCE: 60111-NP
CURRENT APPLICATION NUMBER: US/10/260,238
CURRENT FILING DATE: 2002-09-26
PRIOR APPLICATION NUMBER: US 60/325,448
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US 60/325,277
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US 60/370,620
PRIOR FILING DATE: 2002-04-04
NUMBER OF SEQ ID NOS: 6077
SEQ ID NO 611
LENGTH: 1224
TYPE: DNA
ORGANISM: Oryza sativa
US-10-260-238-611

Query Match 18.4%; Score 32.2; DB 16; Length 1224;
Best Local Similarity 59.1%; Pred. No. 0.5;
Matches 55; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 76 CTCGCGAGCCAGGCGCTTCTCTTCAGCATGAGAAAGCAAGGACAGAGTACTC 135
DB 956 CTCGCGCTTGTGAGGCTTTCACATGACATCAACAGATCTGTGACATCATGTATGTC 897
QY 136 TCCTCGAGAGACTAGTCTAGCTAGATTAAC 168
DB 896 TCTTAGCAGGTTTCATGATGTAGATTAATC 864

RESULT 7

US-10-027-632-12045/C
Sequence 12045, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12045
LENGTH: 707
TYPE: DNA
ORGANISM: Human
US-10-027-632-12045

Query Match 17.8%; Score 31.2; DB 13; Length 707;

Best Local Similarity 54.3%; Pred. No. 0.93; Matches 63; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 36 CACATCTTTAAGCACTGCGAAACAGAGGCTCCACACTCTGCGAGGCCGAGGCTT 95
DB 686 CTCAGCTCCCAAGATTCTCAGAGGGTCCCATCTCTCTGAGGAGGCTCTA 627

QY 96 TCTCTTACAGATGAGAAACAGAGGACAGAGTACTCTCTCTGAGAGACTAG 151
DB 626 GCTAACGATGACAGAAACAGAGGCGGAAAGCAAGTCCCATCCAGAGAGGCTGG 571

RESULT 8
US-10-027-632-12045/C
Sequence 12045, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: PastSeq for Windows Version 4.0
SEQ ID NO 12045
TYPE: DNA
LENGTH: 707
ORGANISM: Human
US-10-027-632-12045

Query Match 17.8%; Score 31.2; DB 16; Length 707;
Best Local Similarity 54.3%; Pred. No. 0.93; Matches 63; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 36 CACATCTTTAAGCACTGCGAAACAGAGGCTCCACACTCTGCGAGGCCGAGGCTT 95
DB 686 CTCAGCTCCCAAGATTCTCAGAGGGTCCCATCTCTCTGAGGAGGCTCTA 627

QY 96 TCTCTTACAGATGAGAAACAGAGGACAGAGTACTCTCTCTGAGAGACTAG 151
DB 626 GCTAACGATGACAGAAACAGAGGCGGAAAGCAAGTCCCATCCAGAGAGGCTGG 571

RESULT 9
US-09-796-692-359
Sequence 359, Application US/09796692
Publication No. US20020198362A1
GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Algate, Paul A.
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
FILE REFERENCE: 2077.001200
CURRENT APPLICATION NUMBER: US/09/796,692
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 60/186,126
PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: 60/223,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/223,378
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 9597
SOFTWARE: PastSeq for Windows Version 3.0
SEQ ID NO 359
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(463)
OTHER INFORMATION: n = A,T,C or G
US-09-796-692-359

Query Match 17.6%; Score 30.8; DB 9; Length 463;
Best Local Similarity 53.3%; Pred. No. 1.1; Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1 AGTCCAGAACTTGAAGCTTTGTAATTTTCAGGAATGCAATCTCTTAAGCAGCAAAAC 60
DB 265 AGTCTTCAACTTCTGTTTCTGTAACAGAGTGCATAATGAAATTCACAACTGGGTACC 324

QY 61 AGGAAGGCTCCACACTCTGCGAGGCGGCGCTTCTCTTACAGATGAGAAACAGAG 120
DB 325 TTGAATAGTTAATCAATTCAGAGCGATGTCAGCCACCAACAGTCAAGGCCAAG 384

QY 121 GA 122
DB 385 AA 386

RESULT 10
US-09-796-692-4928
Sequence 4928, Application US/09796692
Publication No. US20020198362A1
GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Algate, Paul A.
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
FILE REFERENCE: 2077.001200
CURRENT APPLICATION NUMBER: US/09/796,692
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: 60/223,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/223,378
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 9597
SOFTWARE: PastSeq for Windows Version 3.0
SEQ ID NO 359
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(463)
OTHER INFORMATION: n = A,T,C or G
US-09-796-692-359

```

; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4928
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (6)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (43)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (45)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (47)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (108)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (110)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (420)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (448)
; OTHER INFORMATION: n=A,T,C or G
; US-09-796-692-4928
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Query Match

17.6%; Score 30.8; DB 9; Length 463;

Best Local Similarity 53.3%; Pred. No. 1.1; Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

```

QY 1 AGTCAGGAACCTTGAGCTTTGATTTTCAGGAATGCACATCTCTTAAGCACTGCAAAAC 60
    |||||
DB 265 AGTCCTTCAACTTGTCTTCTGCTAACAGGTGCAAAATGAATACCACTGGGTACC 324
    |||||
QY 61 AGGAAGCTCCACACCTCTGCGAGGCCAGGCTTCTCTTCAGCAGTGAAGAAACAAG 120
    |||||
DB 325 TTGAATGAGTTAATCAATTCACAGGCGATGTCACGCCACCAAGTCAAGGCCAAG 384
    |||||
QY 121 GA 122
    |||||
DB 385 AA 386
```

RESULT 11

```

US-10-040-862-359
; Sequence 359, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
```

```

; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 359
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(463)
; OTHER INFORMATION: n = A,T,C or G
; US-10-040-862-359
```

Query Match

17.6%; Score 30.8; DB 15; Length 463;

Best Local Similarity 53.3%; Pred. No. 1.1; Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

```

QY 1 AGTCAGGAACCTTGAGCTTTGATTTTCAGGAATGCACATCTCTTAAGCACTGCAAAAC 60
    |||||
DB 265 AGTCCTTCAACTTGTCTTCTGCTAACAGGTGCAAAATGAATACCACTGGGTACC 324
    |||||
QY 61 AGGAAGCTCCACACCTCTGCGAGGCCAGGCTTCTCTTCAGCAGTGAAGAAACAAG 120
    |||||
DB 325 TTGAATGAGTTAATCAATTCACAGGCGATGTCACGCCACCAAGTCAAGGCCAAG 384
    |||||
QY 121 GA 122
    |||||
DB 385 AA 386
```

RESULT 12

```

US-10-040-862-4928
; Sequence 4928, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
```

```

TITLE OR INVENTION: Hematological Malignancies
FILE REFERENCE: 014058-013520US
CURRENT APPLICATION NUMBER: US/10/040,862
CURRENT FILING DATE: 2001-11-06
PRIOR APPLICATION NUMBER: US 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: US 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: US 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: US 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: US 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: US 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 60/222,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: US 60/223,378
PRIOR FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: US 09/796,692
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 10467
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4928
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: (6)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (43)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (45)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (47)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (108)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (110)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (420)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (448)
OTHER INFORMATION: n=A,T,C or G
US-10-040-862-4928

Query Match 17.6%; Score 30.8; DB 15; Length 463;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

```

```

QY      1 AGTCGAGAACTTGAGCTTGATTTTGAGAAATGCACATCTCTTAAGACATCTGGCAAAC 60
Db      265 AGTCCTTCACTCTGTTCTTCTCTAACAAGGTGTGCAAAATGAAATACCACTGGGTACC 324
QY      61 AGGAAGCTCCACACCTCTGCGCAGGCCGCTTCTCTTCAGCATGAGAAAGACAAG 120
Db      325 TTGAATGATTAATCAAAATTCAGGCCCATGTCTCAGCGCACCAACATCAAGGCCAAG 384
QY      121 GA 122
Db      385 AA 386

RESULT 13
US-10-057-475B-359
; Sequence 359, Application US/10057475B
; Publication No. US20040002068A1
; GENERAL INFORMATION:
; APPLICANT: Galger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordenez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therap
; FILE REFERENCE: 014058-014402US
CURRENT APPLICATION NUMBER: US/10/057,475B
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: US 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: US 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: US 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: US 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: US 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 60/222,903
PRIOR FILING DATE: 2000-08-03
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 10979
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 359
LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(463)
; OTHER INFORMATION: n = g, a, c or t
US-10-057-475B-359

Query Match      17.6%; Score 30.8; DB 16; Length 463;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

1 AGTCGAGAACTTGAGCTTGATTTTGAGAAATGCACATCTCTTAAGACATCTGGCAAAC 60
265 AGTCCTTCACTCTGTTCTTCTCTAACAAGGTGTGCAAAATGAAATACCACTGGGTACC 324

```

QY 61 AGAAGGCTCCACCTCTGGCAGGCGCTTTCTTTCAGATGAGAAAGACAAG 120
DB 325 TTGAATGAGTTAATCAAAATTCAGGCGATGTCACGCCACCAAGTCAAAAGGCCAAG 384
QY 121 GA 122
DB 385 AA 386

RESULT 14

US-10-057-475B-4928
; Sequence 4928, Application US/10057475B
; Publication No. US2004002068A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aljun
; APPLICANT: Ordomez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-0140205
; CURRENT APPLICATION NUMBER: US/10/057,475B
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 10979
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4928
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(463)
; OTHER INFORMATION: n = g, a, c or t
US-10-057-475B-4928

Query Match 17.6%; Score 30.8; DB 16; Length 463;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1 AGTCAGAGAACTTGAGCTTTGTAATTTTCAGGAATGCACATCTCTTAAGCACTCCGCAAAAC 60
DB 265 AGTCCTTCACTTCTGTTCTTCTGTAACAGGTGCAAAATTAATTAACAACTGGGTAAAC 324
QY 61 AGAAGGCTCCACACCTCTGGCAGGCGCTTTCTTTCAGATGAGAAAGACAAG 120
DB 325 TTGAATGAGTTAATCAAAATTCAGGCGATGTCACGCCACCAAGTCAAAAGGCCAAG 384

QY 121 GA 122
DB 385 AA 386

RESULT 15

US-10-154-884B-359
; Sequence 359, Application US/10154884B
; Publication No. US20040005561A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc W.
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013521US
; CURRENT APPLICATION NUMBER: US/10/154,884B
; PRIOR FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 11290
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 359
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(463)
; OTHER INFORMATION: n = g, a, c or t
US-10-154-884B-359

Query Match 17.6%; Score 30.8; DB 16; Length 463;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 65; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1 AGTCAGAGAACTTGAGCTTTGTAATTTTCAGGAATGCACATCTCTTAAGCACTCCGCAAAAC 60
DB 265 AGTCCTTCACTTCTGTTCTTCTGTAACAGGTGCAAAATTAATTAACAACTGGGTAAAC 324
QY 61 AGAAGGCTCCACACCTCTGGCAGGCGCTTTCTTTCAGATGAGAAAGACAAG 120
DB 325 TTGAATGAGTTAATCAAAATTCAGGCGATGTCACGCCACCAAGTCAAAAGGCCAAG 384
QY 121 GA 122
DB 385 AA 386

Search completed: May 9, 2004, 11:05:32
Job time : 85.7263 secs

Wed May 12 13:57:53 2004

us-10-010-408-1_copy_1534_1708.rnpb

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OM nucleic - nucleic search, using BW model

Run on: May 9, 2004, 06:27:47 ; Search time 14.5763 Seconds
(without alignments)
6662.619 Million cell updates/sec

Title: US-10-010-408-1_COPY_1534_1708

Perfect score: 175
Sequence: 1 AGTCGAGGAGCTTGAGCTT.....GCTAGAAATAACCCAAA 175

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 4 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgm2_6/prodata/2/ina/5A COMB.seq:*
- 2: /cgm2_6/prodata/2/ina/5B COMB.seq:*
- 3: /cgm2_6/prodata/2/ina/6A COMB.seq:*
- 4: /cgm2_6/prodata/2/ina/6B COMB.seq:*
- 5: /cgm2_6/prodata/2/ina/PCBUS COMB.seq:*
- 6: /cgm2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	20.0	1734	4	US-09-182-145-17
2	35	20.0	1734	4	US-09-182-145-18
3	18	10.3	1134	4	US-09-328-352-384
4	18	10.3	2104	3	US-09-313-930-1
5	18	10.3	2104	4	US-09-023-655-1191
6	18	10.3	1230025	4	US-09-198-452A-1
7	17	9.7	24	2	US-09-182-145-110
8	17	9.7	742	2	US-08-966-316-2
9	17	9.7	2998	4	US-09-081-385-4
10	17	9.7	2998	4	US-09-081-385-149
11	17	9.7	66804	4	US-09-740-041-3
12	16	9.1	463	4	US-09-556-877-55
13	16	9.1	463	4	US-09-556-877-58
14	16	9.1	463	4	US-09-620-412C-55
15	16	9.1	463	4	US-09-620-412C-58
16	16	9.1	463	4	US-09-410-568-55
17	16	9.1	463	4	US-09-410-568-58
18	16	9.1	463	4	US-09-598-419-55
19	16	9.1	463	4	US-09-598-419-58
20	16	9.1	601	4	US-09-556-877-22
21	16	9.1	601	4	US-09-288-594A-22
22	16	9.1	601	4	US-09-620-412C-22
23	16	9.1	601	4	US-09-410-568-22
24	16	9.1	601	4	US-09-598-419-22
25	16	9.1	636	4	US-09-556-877-25
26	16	9.1	636	4	US-09-288-594A-25
27	16	9.1	696	4	US-09-620-412C-25

C 28	16	9.1	696	4	US-09-410-568-25	Sequence 25, Appl
C 29	16	9.1	696	4	US-09-598-419-25	Sequence 25, Appl
C 30	16	9.1	798	4	US-09-489-039A-430	Sequence 430, App
C 31	16	9.1	1083	4	US-09-252-991A-7413	Sequence 7413, Ap
C 32	16	9.1	1113	4	US-09-252-991A-7281	Sequence 7281, Ap
C 33	16	9.1	1256	4	US-09-556-877-21	Sequence 21, Appl
C 34	16	9.1	1256	4	US-09-288-594A-21	Sequence 21, Appl
C 35	16	9.1	1256	4	US-09-620-412C-21	Sequence 21, Appl
C 36	16	9.1	1256	4	US-09-410-568-21	Sequence 21, Appl
C 37	16	9.1	1256	4	US-09-598-419-21	Sequence 21, Appl
C 38	16	9.1	1737	4	US-09-252-991A-7335	Sequence 7335, Ap
C 39	16	9.1	2192	3	US-08-942-001-1	Sequence 1, Appl
C 40	16	9.1	2192	3	US-09-337-386-1	Sequence 1, Appl
C 41	16	9.1	2192	4	US-09-846-922-1	Sequence 1, Appl
C 42	16	9.1	2283	4	US-09-328-352-3167	Sequence 3167, Ap
C 43	16	9.1	3186	4	US-09-016-434-1390	Sequence 1390, Ap
C 44	16	9.1	7827	4	US-09-620-312D-104	Sequence 104, App
C 45	15	8.6	274	4	US-09-313-294A-1031	Sequence 1031, Ap

ALIGNMENTS

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RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17

Query Match          20.0%; Score 35; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred.No. 3.4e-09;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      77  TCTGGCAGGCGAGGCTTCTCTTCAGCATAGA 111
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DB      1611 TCTGGCAGGCGAGGCTTCTCTTCAGCATAGA 1645

RESULT 2
US-09-182-145-18/c
; Sequence 18, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
```

APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-18

Query Match 20.0%; Score 35; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 3.4e-09;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 TTGGGAGGCCGAGGCGCTTCTCTTCAGCATGAGA 111
DB 124 TCTGGCAGGCCGAGGCGCTTCTCTTCAGCATGAGA 90

RESULT 3
US-09-328-352-384/C
Sequence 384, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 384
LENGTH: 1134
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-384

Query Match 10.3%; Score 18; DB 4; Length 1134;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 18 TTGTATTTTCAGGATG 35
DB 398 TTGTATTTTCAGGATG 381

RESULT 4
US-09-313-930-1/C
Sequence 1, Application US/09313930
Patent No. 6235723
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
TITLE OF INVENTION: Antisense Oligonucleotide Modulation of Human Protein
FILE REFERENCE: ISPH-0357
CURRENT APPLICATION NUMBER: US/09/313,930
CURRENT FILING DATE: 1999-05-18
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1

LENGTH: 2104
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (59)..(2089)
PUBLICATION INFORMATION:
AUTHORS: Aris, J. P.
AUTHORS: Basta, P. V.
AUTHORS: Holmes, W. D.
AUTHORS: Ballas, L. M.
AUTHORS: Woomaw, C.
AUTHORS: Rankl, N. B.
AUTHORS: Biobel, G.
AUTHORS: Loomis, C. R.
AUTHORS: Burns, D. J.
TITLE: Molecular and biochemical characterization of a
TITLE: recombinant human PKC-delta family member
JOURNAL: Biochim. Biophys. Acta
VOLUME: 1174
ISSUE: 2
PAGES: 171-181
DATE: 1993-08-19
DATABASE ACCESSION NUMBER: L07860
DATABASE ENTRY DATE: 1993-11-02
US-09-313-930-1

Query Match 10.3%; Score 18; DB 3; Length 2104;
Best Local Similarity 100.0%; Pred. No. 3.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 GCAGAGTACTCTCTCTTG 142
DB 1185 GCAGAGTACTCTCTCTTG 1168

RESULT 5
US-09-023-655-1191/C
Sequence 1191, Application US/09023655
Patent No. 6607879
GENERAL INFORMATION:
APPLICANT: Cooke, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HERewith
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 1191:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2104 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: g189679
 US-09-023-655-1191

Query Match	10.3%;	Score 18;	DB 4;	Length 2104;
Best Local Similarity	100.0%;	Pred. No. 3.6;		
Matches 18;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	125	GCAGAGTACTCTCCTCTG	142
Db	1185	GCAGAGTACTCTCCTCTG	1168

RESULT 6
11E-09-19

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Sequence 1, Application US/09198452A
Parent No. 6559294
GENERAL INFORMATION:
APPLICANT: Griffiths, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 1
LENGTH: 1230025
TYPE: DNA
ORGANISM: Chlamydia pneumoniae
FEATURES:
NAME/KEY: misc_feature
LOCATION: (1)..(15000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (15001)..(30000)
OTHER INFORMATION: n=a or c or g or t
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NAME/KEY:	misc feature
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OTHER INFORMATION:	-na or c or g or t
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LOCATION:	(525001)..(540000)

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OTHER INFORMATION: n=a or c or g or t
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OTHER INFORMATION: n=a or c or g or t
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LOCATION: (870001)..(885000)
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LOCATION: (885001)..(900000)
OTHER INFORMATION: n=a or c or g or t

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NAME/KEY: misc_feature
LOCATION: (900001)..(915000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
Query Match
Best Local Similarity 10.3%; Score 18; DB 4; Length 1230025;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TCCAGGAACTTGAGCTTT 20
DB 651730 TCCAGGAACTTGAGCTTT 651747

RESULT 7
US-09-182-145-110/c
Sequence 110, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Auctin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 110
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1-24
OTHER INFORMATION: Sequence is synthesized.
Patent No. 6387657
US-09-182-145-110

Query Match
Best Local Similarity 9.7%; Score 17; DB 4; Length 24;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 TCTGGAGGCCAGGGCC 93
DB 17 TCTGGAGGCCAGGGCC 1

RESULT 8
US-08-966-316-2/c
Sequence 2, Application US/08966316
Patent No. 5932445
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Au-Young, Janice
APPLICANT: Reddy, Roopa
APPLICANT: Murty, Lynn E.
APPLICANT: Mathur, Preete
TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:

```

ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/966,316
FILING DATE: Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0424 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 742 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLNFET02
CLONE: 1457779
US-08-966-316-2

Query Match 9.7%; Score 17; DB 2; Length 742;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 CTGCAGCGCCAGGCGCT 94
DB 428 CTGCAGCGCCAGGCGCT 412

RESULT 9
US-09-081-385-4/c
Sequence 4 Application US/09081385
Patent No. 6593456
GENERAL INFORMATION:
APPLICANT: Gatanaga, T.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
TITLE OF INVENTION: of Use Thereof
NUMBER OF SEQUENCES: 154
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/081,385
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
REFERENCE/DOCKET NUMBER: 22000-20577.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2998 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULAR TYPE: Genomic DNA
US-09-081-385-4

Query Match 9.7%; Score 17; DB 4; Length 2998;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TCCAGAACTTGAGCTT 19
DB 1386 TCCAGAACTTGAGCTT 1370

RESULT 10
US-09-081-385-149
Sequence 149 Application US/09081385
Patent No. 6593456
GENERAL INFORMATION:
APPLICANT: Gatanaga, T.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
TITLE OF INVENTION: of Use Thereof
NUMBER OF SEQUENCES: 154
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/081,385
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
REFERENCE/DOCKET NUMBER: 22000-20577.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 149:
SEQUENCE CHARACTERISTICS:

LENGTH: 2998 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 26...799
OTHER INFORMATION:
US-09-081-385-149

Query Match 9.7%; Score 17; DB 4; Length 2998;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TCCAGGAACTGAGCTT 19
DB 1613 TCCAGGAACTGAGCTT 1629

RESULT 11
US-09-740-041-3
Sequence 3, Application US/09740041
Patent No. 6562593
GENERAL INFORMATION:
APPLICANT: MERKULOV, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: CL001001
CURRENT APPLICATION NUMBER: US/09/740,041
CURRENT FILING DATE: 2000-12-20
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 66804
TYPE: DNA
ORGANISM: Human
US-09-740-041-3

Query Match 9.7%; Score 17; DB 4; Length 66804;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 137 CCTCTGAGGACTAGTC 153
DB 49564 CCTCTGAGGACTAGTC 49580

RESULT 12
US-09-556-877-55/c
Sequence 55, Application US/09556877
Patent No. 6432916
GENERAL INFORMATION:
APPLICANT: Probst, Peter
APPLICANT: Bhatia, Ajay
APPLICANT: Skeiky, Yasir
APPLICANT: Fling, Steve
APPLICANT: Maisonneuve, Jeff
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
FILE REFERENCE: 210121.469C5
CURRENT APPLICATION NUMBER: US/09/556,877
CURRENT FILING DATE: 2000-04-19
NUMBER OF SEQ ID NOS: 305
SOFTWARE: FastSeq for Windows Version 3.0/4.0
SEQ ID NO 55
LENGTH: 463
TYPE: DNA
ORGANISM: Chlamydia trachomatis
US-09-556-877-55

Query Match 9.1%; Score 16; DB 4; Length 463;

Best Local Similarity 100.0%; Pred. No. 38;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 117 AAGGACAGCAGAGTA 132
DB 412 AAGGACAGCAGAGTA 397

RESULT 13
US-09-556-877-58/c
Sequence 58, Application US/09556877
Patent No. 6432916
GENERAL INFORMATION:
APPLICANT: Probst, Peter
APPLICANT: Bhatia, Ajay
APPLICANT: Skeiky, Yasir
APPLICANT: Fling, Steve
APPLICANT: Maisonneuve, Jeff
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
FILE REFERENCE: 210121.469C5
CURRENT APPLICATION NUMBER: US/09/556,877
CURRENT FILING DATE: 2000-04-19
NUMBER OF SEQ ID NOS: 305
SOFTWARE: FastSeq for Windows Version 3.0/4.0
SEQ ID NO 58
LENGTH: 463
TYPE: DNA
ORGANISM: Chlamydia trachomatis
US-09-556-877-58

Query Match 9.1%; Score 16; DB 4; Length 463;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 117 AAGGACAGCAGAGTA 132
DB 412 AAGGACAGCAGAGTA 397

RESULT 14
US-09-620-412C-55/c
Sequence 55, Application US/09620412C
Patent No. 6448234
GENERAL INFORMATION:
APPLICANT: Steven P. Fling
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
FILE REFERENCE: 210121.469C7
CURRENT APPLICATION NUMBER: US/09/620,412C
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 3.0/4.0
SEQ ID NO 55
LENGTH: 463
TYPE: DNA
ORGANISM: Chlamydia trachomatis
US-09-620-412C-55

Query Match 9.1%; Score 16; DB 4; Length 463;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 117 AAGGACAGCAGAGTA 132
DB 412 AAGGACAGCAGAGTA 397

RESULT 15
US-09-620-412C-58/c
Sequence 58, Application US/09620412C
Patent No. 6448234
GENERAL INFORMATION:

APPLICANT: Steven P. Fling
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
DIAGNOSIS OF CHLAMYDIAL INFECTION
FILE REFERENCE: 210121.469C7
CURRENT APPLICATION NUMBER: US/09/620.412C
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 3.0/4.0
SEQ ID NO 58
LENGTH: 463
TYPE: DNA
ORGANISM: Chlamydia trachomatis
US-09-620-412C-58

Query Match 9.1%; Score 16; DB 4; Length 463;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 117 AAGGACAGCAGAGTA 132
|||||
Db 412 AAGGACAGCAGAGTA 397

Search completed: May 9, 2004, 11:11:21
Job time : 17.5763 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 10:34:42 ; Search time 77.7263 Seconds
(without alignments)
10199.232 Million cell updates/sec

Title: US-10-010-408-1_COPY_1534_1708

Perfect score: 175
Sequence: 1 AGCTCAGAGAACTTGAGCTT.....GCCTAGATTAACACCCAAA 175

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2941586 seqs, 2264995651 residues

Word size : 0

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

Published Applications NA:*

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12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq2:*
13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
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17: /cgn2_6/ptodata/1/pubpna/US10C_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	175	100.0	1708	14	US-10-010-408-1
2	121	439.1	439	10	US-09-956-622A-23
3	34	30.9	65	10	US-09-908-975-2937
4	35	20.0	1734	15	US-10-112-267-17
5	35	20.0	1734	15	US-10-112-267-18
6	19	10.9	63294	12	US-09-997-722-205
7	18	10.3	1027	13	US-10-282-122A-37418
8	18	10.3	1668	16	US-10-369-435-29
9	18	10.3	1671	9	US-09-841-132-378
10	18	10.3	1671	16	US-10-312-273-48
11	18	10.3	1760	13	US-10-424-599-72220
12	18	10.3	2104	16	US-10-116-275-293
13	18	10.3	2104	17	US-10-641-643-1191
14	18	10.3	2574	13	US-10-282-122A-39628

15	18	10.3	2586	9	US-09-815-242-9990	Sequence 9900, Ap
16	18	10.3	3073	13	US-10-027-632-114289	Sequence 114289, Ap
17	18	10.3	3073	13	US-10-027-632-114290	Sequence 114290, Ap
18	18	10.3	3073	16	US-10-027-632-114289	Sequence 114289, Ap
19	18	10.3	3073	16	US-10-027-632-114290	Sequence 114290, Ap
20	18	10.3	166043	13	US-10-235-192A-46	Sequence 1, Appl
21	18	10.3	1230025	16	US-10-289-762-1	Sequence 174961, Ap
22	18	10.3	3186778	13	US-10-027-632-174961	Sequence 174961, Ap
23	18	10.3	3186778	16	US-10-027-632-174961	Sequence 174961, Ap
24	17	9.7	24	15	US-10-112-267-110	Sequence 110, App
25	17	9.7	141	9	US-09-783-590-7073	Sequence 7073, Ap
26	17	9.7	237	13	US-10-085-783A-44857	Sequence 44857, A
27	17	9.7	237	16	US-10-242-535A-44857	Sequence 44857, A
28	17	9.7	422	13	US-10-424-599-130531	Sequence 130531, A
29	17	9.7	451	10	US-09-918-998-12392	Sequence 12392, A
30	17	9.7	627	13	US-10-027-632-204519	Sequence 204519, A
31	17	9.7	627	13	US-10-027-632-204520	Sequence 204520, A
32	17	9.7	627	13	US-10-027-632-204521	Sequence 204521, A
33	17	9.7	627	16	US-10-027-632-204519	Sequence 204519, A
34	17	9.7	627	16	US-10-027-632-204520	Sequence 204520, A
35	17	9.7	627	16	US-10-027-632-204521	Sequence 204521, A
36	17	9.7	738	13	US-10-027-632-32541	Sequence 32541, A
37	17	9.7	738	16	US-10-027-632-32541	Sequence 32541, A
38	17	9.7	742	10	US-09-968-433-2	Sequence 2, Appl
39	17	9.7	742	13	US-10-027-632-114990	Sequence 114990, A
40	17	9.7	774	13	US-10-027-632-114991	Sequence 114991, A
41	17	9.7	774	16	US-10-027-632-114990	Sequence 114990, A
42	17	9.7	774	16	US-10-027-632-114991	Sequence 114991, A
43	17	9.7	846	16	US-10-260-238-3558	Sequence 3558, Ap
44	17	9.7	890	16	US-10-260-238-3558	Sequence 3558, Ap
45	17	9.7	940	13	US-10-027-632-261119	Sequence 261119, A

ALIGNMENTS

RESULT 1
US-10-010-408-1
Sequence 1, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:
APPLICANT: John J. Castellor, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHAYE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010, 408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214

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; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1708 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 249..1001
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

Query Match          100.0%; Score 175; DB 14; Length 1708;
Best Local Similarity 100.0%; Pred. No. 9.1e-84;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTCCAGGAAGTGAAGCTTTGATTTTTCAGGAATGACATCTCTTAGCACTCGCAAAAC 60
DB 1534 AGTCCAGGAAGTGAAGCTTTGATTTTTCAGGAATGACATCTCTTAGCACTCGCAAAAC 1593

QY 61 AGGAAGGCTCCACACCTCTGGCAGGCCAGGCTTTCTCTTCAGCATGAGAAAGACAAG 120
DB 1594 AGGAAGGCTCCACACCTCTGGCAGGCCAGGCTTTCTCTTCAGCATGAGAAAGACAAG 1653

QY 121 GACAGCAGAGTACTCTCTCTGAGAGACTAGCTTAGCAATTAACACCCAAA 175
DB 1654 GACAGCAGAGTACTCTCTCTGAGAGACTAGCTTAGCAATTAACACCCAAA 1708

RESULT 2
US-09-956-622A-23
; Sequence 23, Application US/09956622A
; Publication No. US20030091973A1
; GENERAL INFORMATION:
; APPLICANT: Horesovsky, Gregory J
; APPLICANT: No. US20030091973A1 II, L. Staton
; APPLICANT: Raha, Debashish
; TITLE OF INVENTION: Method of Identifying Osteoregenerative Agents Using
; TITLE OF INVENTION: Differential Gene Expression
; FILE REFERENCE: 21402-445
; CURRENT APPLICATION NUMBER: US/09/956,622A
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,579
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-09-956-622A-23

Query Match          69.1%; Score 121; DB 10; Length 439;
Best Local Similarity 100.0%; Pred. No. 9.5e-55;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTCCAGGAAGTGAAGCTTTGATTTTTCAGGAATGACATCTCTTAGCACTCGCAAAAC 60
DB 285 AGTCCAGGAAGTGAAGCTTTGATTTTTCAGGAATGACATCTCTTAGCACTCGCAAAAC 344

QY 61 AGGAAGGCTCCACACCTCTGGCAGGCCAGGCTTTCTCTTCAGCATGAGAAAGACAAG 120
DB 345 AGGAAGGCTCCACACCTCTGGCAGGCCAGGCTTTCTCTTCAGCATGAGAAAGACAAG 404

QY 121 G 121
DB 405 G 405

RESULT 3
US-09-908-975-2937
; Sequence 2937, Application US/09908975
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; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2937
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-09-908-975-2937

Query Match          30.9%; Score 54; DB 10; Length 65;
Best Local Similarity 100.0%; Pred. No. 9.9e-19;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 TTCCAGGAATGCACATCTCTTAAAGCATCTCGCAAAACAGGAGGCTCCACACTCT 79
DB 1 TTCCAGGAATGCACATCTCTTAAAGCATCTCGCAAAACAGGAGGCTCCACACTCT 54

RESULT 4
US-10-112-267-17
; Sequence 17, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Borstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-112-267-17

Query Match          20.0%; Score 35; DB 15; Length 1734;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 TTCTGCGAGCGCAGGCTTTCTCTTCTGAGCATGAGA 111
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Db 1611 TCTGGCAGCGCCGCTTCTCTTCAGCATGAGA 1645

RESULT 5

US-10-112-267-18/c
Sequence 18, Application US/10112267
Publication No. US20030068678A1

GENERAL INFORMATION:

APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2

CURRENT APPLICATION NUMBER: US/10/112,267

PRIOR FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B

PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704

PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612

PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156

SEQ ID NO 18

LENGTH: 1734

TYPE: DNA

ORGANISM: Mus musculus

US-10-112-267-18

Query Match

Best Local Similarity 20.0%; Score 35; DB 15; Length 1734;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 TCTGGCAGCGCCGCTTCTCTTCAGCATGAGA 111

Db 124 TCTGGCAGCGCCGCTTCTCTTCAGCATGAGA 90

RESULT 6

US-09-997-722-205/c
Sequence 205, Application US/09997722
Publication No. US20040072154A1

GENERAL INFORMATION:

APPLICANT: Morris, David
APPLICANT: Engelhard, Eric
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: A-71171/RMS/DCF
CURRENT APPLICATION NUMBER: US/09/997,722
CURRENT FILING DATE: 2001-11-30
PRIOR APPLICATION NUMBER: US 09/747,377
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 301
SOFTWARE: PatentIn version 3.1
SEQ ID NO 205

LENGTH: 63294

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: misc feature

LOCATION: (3478)..(3794)
OTHER INFORMATION: "n" at positions 3478 through 3794 can be any base.

FEATURE:

NAME/KEY: misc_feature

LOCATION: (7386)..(7433)

OTHER INFORMATION: "n" at positions 7386 through 7433 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (9273)..(9786)

OTHER INFORMATION: "n" at positions 9273 through 9786 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (11328)..(11347)

OTHER INFORMATION: "n" at positions 11328 through 11347 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (21543)..(21986)

OTHER INFORMATION: "n" at positions 21543 through 21986 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (30816)..(30835)

OTHER INFORMATION: "n" at positions 30816 through 30835 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (49223)..(49242)

OTHER INFORMATION: "n" at positions 49223 through 49242 can be any base.

FEATURE:

NAME/KEY: misc feature

LOCATION: (61489)..(62638)

OTHER INFORMATION: "n" at positions 61489 through 62638 can be any base.

US-09-997-722-205

Query Match

Best Local Similarity 10.9%; Score 19; DB 12; Length 63294;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 107 TGAGAAAGACAGGACAG 125

Db 23363 TGAGAAAGACAGGACAG 23345

RESULT 7

US-10-282-122A-37418
Sequence 37418, Application US/10282122A
Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELIPIA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578

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;; PRIOR FILING DATE: 2000-10-23
;; PRIOR APPLICATION NUMBER: 60/253,625
;; PRIOR FILING DATE: 2000-11-27
;; PRIOR APPLICATION NUMBER: 60/257,931
;; PRIOR FILING DATE: 2000-12-22
;; PRIOR APPLICATION NUMBER: 60/267,636
;; PRIOR FILING DATE: 2001-02-09
;; PRIOR APPLICATION NUMBER: 60/269,308
;; PRIOR FILING DATE: 2001-02-16
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 78614
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 37418
;; LENGTH: 1027
;; TYPE: DNA
;; ORGANISM: Salmonella paratyphi A
US-10-282-122A-37418
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Query Match      10.3%; Score 18; DB 13; Length 1027;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      51 CTCGCAAAACGAGAGGC 68
          |||
Db      138 CTCGCAAAACGAGAGGC 155
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RESULT 8
US-10-369-435-29/c
; Sequence 29, Application US/10369435
; Publication No. US20040002440A1
; GENERAL INFORMATION:
; APPLICANT: Mathews, Sarah
; TITLE OF INVENTION: No. US20040002440A1 Diagnostic Agents and Uses Therefor
; FILE REFERENCE: 10358-15US (2615070/VPR)
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: AU PQ9540/00
; PRIOR FILING DATE: 2000-08-18
; PRIOR APPLICATION NUMBER: PCT/AU01/01021
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29
; LENGTH: 1668
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1668)
US-10-369-435-29
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Query Match      10.3%; Score 18; DB 16; Length 1668;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3 TTCAGGAAGCTTGAGCTTT 20
          |||
Db      1227 TTCAGGAAGCTTGAGCTTT 1210
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RESULT 9
US-09-841-132-378/c
; Sequence 378, Application US/09841132
; Patent No. US20020061848A1
; GENERAL INFORMATION:
; APPLICANT: Bhattacharya, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
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;; CURRENT APPLICATION NUMBER: US/09/841,132
;; CURRENT FILING DATE: 2001-04-23
;; NUMBER OF SEQ ID NOS: 599
;; SOFTWARE: FastSeq for Windows Version 3.0/4.0
;; SEQ ID NO 378
;; LENGTH: 1671
;; TYPE: DNA
;; ORGANISM: Chlamydia pneumoniae
US-09-841-132-378
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Query Match      10.3%; Score 18; DB 9; Length 1671;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3 TTCAGGAAGCTTGAGCTTT 20
          |||
Db      1227 TTCAGGAAGCTTGAGCTTT 1210
```

```
RESULT 10
US-10-312-273-48/c
; Sequence 48, Application US/10312273
; Publication No. US20040005667A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; TITLE OF INVENTION: IMMUNISATION AGAINST CHLAMYDIA PNEUMONIAE
; FILE REFERENCE: P025035W0
; CURRENT APPLICATION NUMBER: US/10/312,273
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: 0016363.4
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 0017047.2
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 0017983.8
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: 0019368.0
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 0020440.4
; PRIOR FILING DATE: 2000-08-18
; PRIOR APPLICATION NUMBER: 0022583.9
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 0027549.5
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: 0031706.5
; PRIOR FILING DATE: 2000-12-22
; SOFTWARE: SeqWin99, version 1.02
; NUMBER OF SEQ ID NOS: 664
; SEQ ID NO 48
; LENGTH: 1671
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-312-273-48
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Query Match      10.3%; Score 18; DB 16; Length 1671;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3 TTCAGGAAGCTTGAGCTTT 20
          |||
Db      1227 TTCAGGAAGCTTGAGCTTT 1210
```

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RESULT 11
US-10-424-599-72220
; Sequence 72220, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
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; FILE REFERENCE: 38-21(53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 72220
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_36226C.1
US-10-424-599-72220

Query Match          10.3%; Score 18; DB 13; Length 1760;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 90 GGCCTTCTCTTCAGCAT 107
    |||||
Db 1381 GGCCTTCTCTTCAGCAT 1398

RESULT 12
US-10-116-275-293/c
; Sequence 293, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Elan Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 293
; LENGTH: 2104
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-116-275-293

Query Match          10.3%; Score 18; DB 16; Length 2104;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 GCAGAGTACTCTCTCTG 142
    |||||
Db 1185 GCAGAGTACTCTCTCTG 1168

RESULT 13
US-10-641-643-1191/c
; Sequence 1191, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1191:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2104 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g189679
; SEQUENCE DESCRIPTION: SEQ ID NO: 1191 :
US-10-641-643-1191

Query Match          10.3%; Score 18; DB 17; Length 2104;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 GCAGAGTACTCTCTCTG 142
    |||||
Db 1185 GCAGAGTACTCTCTCTG 1168

RESULT 14
US-10-282-122A-39628
; Sequence 39628, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
```

PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 39628
LENGTH: 2574
TYPE: DNA
ORGANISM: Salmonella typhi
US-10-282-122A-39628

Query Match 10.3%; Score 18; DB 13; Length 2574;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 51 CTCGCAAAACAGGAAGGC 68
|||||
Db 796 CTCGCAAAACAGGAAGGC 813

RESULT 15
US-09-815-242-9990
Sequence 9990, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 9990
LENGTH: 2586
TYPE: DNA
ORGANISM: Salmonella typhi
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(2586)
NAME/KEY: misc_feature
LOCATION: (1)...(2586)
OTHER INFORMATION: n = A,T,C or G
US-09-815-242-9990

Query Match 10.3%; Score 18; DB 9; Length 2586;
Best Local Similarity 100.0%; Pred. No. 17;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 CTCGCAAAACAGGAAGGC 68
|||||
Db 808 CTCGCAAAACAGGAAGGC 825

Search completed: May 9, 2004, 15:44:05
Job time : 85.7263 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 6, 2004, 13:21:33 ; Search time 23 Seconds

(without alignments)
561.152 Million cell updates/sec

Title: US-10-010-408-2

Perfect score: 1440

Sequence: 1 MRGSPHLHLATSLFCLLSM.....LCIPRCLARSHSNWSAF 250

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1308.5	90.9	251	4	US-09-182-145-20 Sequence 20, Appl
2	1303.5	90.5	250	4	US-09-182-145-78 Sequence 78, Appl
3	1298.5	90.2	249	4	US-09-182-145-79 Sequence 79, Appl
4	1292.5	89.8	248	4	US-09-182-145-80 Sequence 80, Appl
5	1291.5	89.7	247	4	US-09-182-145-81 Sequence 81, Appl
6	1284.5	89.2	246	4	US-09-182-145-82 Sequence 82, Appl
7	1280.5	88.9	245	4	US-09-182-145-83 Sequence 83, Appl
8	1276.5	88.6	244	4	US-09-182-145-84 Sequence 84, Appl
9	1268.5	88.1	243	4	US-09-182-145-85 Sequence 85, Appl
10	1264.5	87.8	242	4	US-09-182-145-86 Sequence 86, Appl
11	1260.5	87.5	241	4	US-09-182-145-87 Sequence 87, Appl
12	1257.5	87.3	239	4	US-09-182-145-89 Sequence 89, Appl
13	1257.5	87.3	240	4	US-09-182-145-88 Sequence 88, Appl
14	1253.5	87.0	238	4	US-09-182-145-90 Sequence 90, Appl
15	1247.5	86.6	237	4	US-09-182-145-91 Sequence 91, Appl
16	1243.5	86.4	236	4	US-09-182-145-92 Sequence 92, Appl
17	1234.5	85.7	235	4	US-09-182-145-93 Sequence 93, Appl
18	1233.5	85.6	234	4	US-09-182-145-94 Sequence 94, Appl
19	1228.5	85.3	233	4	US-09-182-145-95 Sequence 95, Appl
20	1224.5	85.0	232	4	US-09-182-145-96 Sequence 96, Appl
21	1219.5	84.7	231	4	US-09-182-145-97 Sequence 97, Appl
22	1217.5	84.5	229	4	US-09-182-145-99 Sequence 99, Appl
23	1217.5	84.5	230	4	US-09-182-145-98 Sequence 98, Appl
24	1215.5	84.5	228	4	US-09-182-145-19 Sequence 19, Appl
25	1064	73.9	250	4	US-09-182-145-16 Sequence 16, Appl
26	1059	73.5	249	4	US-09-182-145-56 Sequence 56, Appl
27	1054	73.2	248	4	US-09-182-145-57 Sequence 57, Appl

28	1048	72.8	247	4	US-09-182-145-58 Sequence 58, Appl
29	1047	72.7	246	4	US-09-182-145-59 Sequence 59, Appl
30	1043	72.4	243	4	US-09-182-145-62 Sequence 62, Appl
31	1043	72.4	244	4	US-09-182-145-61 Sequence 61, Appl
32	1043	72.4	245	4	US-09-182-145-60 Sequence 60, Appl
33	1035	71.9	242	4	US-09-182-145-63 Sequence 63, Appl
34	1031	71.6	241	4	US-09-182-145-64 Sequence 64, Appl
35	1027	71.3	240	4	US-09-182-145-65 Sequence 65, Appl
36	1025	71.2	238	4	US-09-182-145-67 Sequence 67, Appl
37	1025	71.2	239	4	US-09-182-145-66 Sequence 66, Appl
38	1021	70.9	236	4	US-09-182-145-69 Sequence 69, Appl
39	1021	70.9	237	4	US-09-182-145-68 Sequence 68, Appl
40	1017	70.6	235	4	US-09-182-145-70 Sequence 70, Appl
41	1008	70.0	234	4	US-09-182-145-71 Sequence 71, Appl
42	1004	69.7	233	4	US-09-182-145-72 Sequence 72, Appl
43	1000	69.4	232	4	US-09-182-145-73 Sequence 73, Appl
44	997	69.2	230	4	US-09-182-145-75 Sequence 75, Appl
45	997	69.2	231	4	US-09-182-145-74 Sequence 74, Appl

ALIGNMENTS

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RESULT 1
US-09-182-145-20
; Sequence 20, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Penicka, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: MSP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 20
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-182-145-20
;
; Query Match          90.9%; Score 1308.5; DB 4; Length 251;
; Best Local Similarity 90.0%; Pred. No. 1.2e-105;
; Matches 226; Conservative 9; Mismatches 15; Indels 1; Gaps 1;
```

QY	1	MRGSPHLHLATSLFCLLSWCAQLCTPCCPTPPQCGVPLVLDGGCCGVCAARL	60
DB	1	MRGSPHLHLATSLFCLLSWCAQLCTPCCPTPPQCGVPLVLDGGCCGVCAARL	60
QY	61	GESCDHLAVCDPSGGLVCGAGGAGAVCLDEDDSGCEVNGRRYLDGTFKNCVLT	120
DB	61	GESCDHLAVCDPSGGLVCGAGGAGAVCLDEDDSGCEVNGRRYLDGTFKNCVLT	120
QY	121	CRCDGGFTCLPLCSBVDRLPSWDCPRPKRIQVKGKCCPEVYCCQGV-TPRIQSTIQGH	179
DB	121	CRCDGGFTCLPLCSBVDRLPSWDCPRPKRIQVKGKCCPEVYCCQGV-TPRIQSTIQGH	179
QY	180	QLSALVTPAADACAPCPWSTAWGPGCTTCGIGITRYSNQRFCOLEIQRCLCPRPCLIA	239
DB	180	QLSALVTPAADACAPCPWSTAWGPGCTTCGIGITRYSNQRFCOLEIQRCLCPRPCLIA	239

Db 181 QLSALVTPASADGPCPMNSTAMGPCSTTCGLIATRVSNQNRFCQLEIQRRLCLSRPCLAA 240
QY 240 RSHSSWNSAF 250
Db 241 RSHGSMNSAF 251

RESULT 2

US-09-182-145-78
; Sequence 78, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Guiney, Austin J.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 78
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-78

Query Match 90.5%; Score 1303.5; DB 4; Length 250;
Best Local Similarity 90.0%; Pred. No. 3.3e-105;
Matches 225; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 2 RGSPLHLATSFCLISWVCAQLCTPCTCPPTPOCGVPLVVDGCGCCVCAARRLGE 61
Db 1 RGNPLHLATSFCLISWVCAQLCTPCTCPPTPOCGVPLVVDGCGCCVCAARRLGE 60
QY 62 ESCDHLAVCDPSQGLVCGAGPGSGHAYCLDDEDDGSCENVGRRYLDGETFKNCRVLC 121
Db 61 ESCDHLAVCDPSQGLVCGAGPGSGHAYCLDDEDDGSCENVGRRYLDGETFKNCRVLC 120
QY 122 RCDGGETCLPLCSEEDVRLPSWCCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGHQ 180
Db 121 RCDGGETCLPLCSEEDVRLPSWCCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGHQ 180
QY 181 LSLVTPASADGPCPMNSTAMGPCSTTCGLIATRVSNQNRFCQLEIQRRLCLSRPCLAA 240
Db 181 LSLVTPASADGPCPMNSTAMGPCSTTCGLIATRVSNQNRFCQLEIQRRLCLSRPCLAA 240
QY 241 RSHSSWNSAF 250
Db 241 RSHGSMNSAF 250

RESULT 3

US-09-182-145-79
; Sequence 79, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Guiney, Austin J.

; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 79
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-79

Query Match 90.2%; Score 1298.5; DB 4; Length 249;
Best Local Similarity 90.0%; Pred. No. 8.8e-105;
Matches 224; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 3 GSPHLHLATSFCLISWVCAQLCTPCTCPPTPOCGVPLVVDGCGCCVCAARRLGE 62
Db 1 GNPPLHLATSFCLISWVCAQLCTPCTCPPTPOCGVPLVVDGCGCCVCAARRLGE 60
QY 63 SCDHLAVCDPSQGLVCGAGPGSGHAYCLDDEDDGSCENVGRRYLDGETFKNCRVLC 122
Db 61 SCDHLAVCDPSQGLVCGAGPGSGHAYCLDDEDDGSCENVGRRYLDGETFKNCRVLC 120
QY 123 CDDGGETCLPLCSEEDVRLPSWCCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGHQ 181
Db 121 CDDGGETCLPLCSEEDVRLPSWCCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGHQ 180
QY 182 SALVTPASADGPCPMNSTAMGPCSTTCGLIATRVSNQNRFCQLEIQRRLCLSRPCLAA 241
Db 181 SALVTPASADGPCPMNSTAMGPCSTTCGLIATRVSNQNRFCQLEIQRRLCLSRPCLAA 240
QY 242 RSHSSWNSAF 250
Db 241 RSHGSMNSAF 249

RESULT 4

US-09-182-145-80
; Sequence 80, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Guiney, Austin J.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14

NUMBER OF SEQ ID NOS: 156
SEQ ID NO 80
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
US-09-182-145-80

Query Match 89.8%; Score 1292.5; DB 4; Length 248;
Best Local Similarity 89.9%; Pred. No. 2.9e-104;
Matches 223; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 4 SELLHLATSFLLCLISWYCAQLCTPTCCPMTPOCGVPLVLDGCGCKVCARRIGES 63
DB 1 NPLHLAISFLCLISWYSQLCPAPCAPMTPTPOCGVPLVLDGCGCKVCARRIGES 60
QY 64 CDHLVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 123
DB 61 CDHLVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 120
QY 124 DDGFTCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 182
DB 121 DDGFTCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 180
QY 183 ALVTPASADAPCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 242
DB 181 ALVTPASADGCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 240
QY 243 HSNMSAF 250
DB 241 HSNMSAF 248

RESULT 5

US-09-182-145-81
Sequence 81, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David J.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
EARLIER FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 81
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
US-09-182-145-81

Query Match 89.7%; Score 1291.5; DB 4; Length 247;
Best Local Similarity 90.3%; Pred. No. 3.5e-104;
Matches 223; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 5 PLHLATSFLLCLISWYCAQLCTPTCCPMTPTPOCGVPLVLDGCGCKVCARRIGESC 64
DB 1 PLHLATSFLLCLISWYSQLCPAPCAPMTPTPOCGVPLVLDGCGCKVCARRIGESC 60
QY 65 DHLVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 124

DB 61 DHLVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 120
QY 125 DDGFTCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 183
DB 121 DDGFTCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 180
QY 184 LVTTPASADAPCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 243
DB 181 LVTTPASADGCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 240
QY 244 SSMNSAF 250
DB 241 SSMNSAF 247

RESULT 6

US-09-182-145-82
Sequence 82, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David J.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
EARLIER FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 82
LENGTH: 246
TYPE: PRT
ORGANISM: Homo sapiens
US-09-182-145-82

Query Match 89.2%; Score 1284.5; DB 4; Length 246;
Best Local Similarity 90.2%; Pred. No. 1.4e-103;
Matches 222; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 6 LHLATSFLLCLISWYCAQLCTPTCCPMTPTPOCGVPLVLDGCGCKVCARRIGESC 65
DB 1 LHLATSFLLCLISWYSQLCPAPCAPMTPTPOCGVPLVLDGCGCKVCARRIGESC 60
QY 66 HLHVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 125
DB 61 HLHVCDPSQGLVCPGAGSGHGAVALCLDEDDGSCVNGRRYLDGTFKNCRCVLCRC 120
QY 126 GGFCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 184
DB 121 GGFCLPLCSEEDVRLPSMDCPPRRKIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLS 180
QY 185 VTPASADAPCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 244
DB 181 VTPASADGCPMNSTAMGPCSTTCGLGIATRVSNQNRFCQLEIQRRLCLPRCLARS 240
QY 245 SSMNSAF 250
DB 241 SSMNSAF 246

```
RESULT 7
US-09-182-145-83
; Sequence 83, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 83
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-182-145-83

Query Match      88.9%; Score 1280.5; DB 4; Length 245;
Best Local Similarity 90.2%; Pred. No. 3.1e-103;
Matches 221; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 7 HLATSFLLTSLMWCAQLCTPTCTPMTPOCPGVPVLVDGCGCCVCARRLGESCDH 66
DB 1 HLLAISFLCTLSMWYSQLCFAPACAPMTPOCPGVPVLVDGCGCCVCARRLGESCDH 60
QY 67 LHVCDPSQGLVCPGAGSGHGAVALCLDEDDSGCEVNGRRYLDGETFRPNCRVLCRCDDG 126
DB 61 LHVCDPSQGLVCPGAGSGHGAVALCLFEEDDSCCEVNGRRYLDGETFRPNCRVLCRCDDG 120
QY 127 GTCTPLCSEDEVRLPSMDCPRPKRIQVPGKCCPEWVTCQGV-TPAIGRSTAGHQLSALT 185
DB 121 GTCTPLCSEDEVRLPSMDCPRPKRIQVPGKCCPEWVTCQGVTPAIGRSTAGHQLSALT 180
QY 186 TPASADAPCPMWTMAGPSTTCGIGIATRVSNQRFQLEIQRRLCLSRPCLARSHSS 245
DB 181 TPASADGCPMWTMAGPSTTCGIGIATRVSNQRFQLEIQRRLCLSRPCLARSHSS 240
QY 246 MNSAF 250
DB 241 MNSAF 245

RESULT 8
US-09-182-145-84
; Sequence 84, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
```

```
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 84
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-182-145-84

Query Match      88.6%; Score 1276.5; DB 4; Length 244;
Best Local Similarity 90.2%; Pred. No. 6.8e-103;
Matches 220; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 8 HLATSFLLTSLMWCAQLCTPTCTPMTPOCPGVPVLVDGCGCCVCARRLGESCDH 67
DB 1 HLLAISFLCTLSMWYSQLCFAPACAPMTPOCPGVPVLVDGCGCCVCARRLGESCDH 60
QY 68 HVCDSQGLVCPGAGSGHGAVALCLDEDDSGCEVNGRRYLDGETFRPNCRVLCRCDDG 127
DB 61 HVCDSQGLVCPGAGSGHGAVALCLFEEDDSCCEVNGRRYLDGETFRPNCRVLCRCDDG 120
QY 128 FTCLPLCSEDEVRLPSMDCPRPKRIQVPGKCCPEWVTCQGV-TPAIGRSTAGHQLSALT 186
DB 121 FTCLPLCSEDEVRLPSMDCPRPKRIQVPGKCCPEWVTCQGVTPAIGRSTAGHQLSALT 180
QY 187 PASADAPCPMWTMAGPSTTCGIGIATRVSNQRFQLEIQRRLCLSRPCLARSHSS 246
DB 181 PASADGCPMWTMAGPSTTCGIGIATRVSNQRFQLEIQRRLCLSRPCLARSHSS 240
QY 247 NSAF 250
DB 241 NSAF 244

RESULT 9
US-09-182-145-85
; Sequence 85, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 85
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-182-145-85
```

Query Match 88.1%; Score 1268.5; DB 4; Length 243;
 Best Local Similarity 90.1%; Pred. No. 3.3e-102;
 Matches 219; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 9 LLAISFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 68
 DB 1 LLAISFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 60

QY 69 VCDPSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFT 128
 DB 61 VCDPSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFT 120

QY 129 TCLPLCESEVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 187
 DB 121 TCLPLCESEVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 180

QY 188 ASADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 247
 DB 181 ASADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 240

QY 248 SAF 250
 DB 241 SAF 243

RESULT 10

US-09-182-145-86
 ; Sequence 86, Application US/09182145B
 ; Patent No. 6387657
 ; GENERAL INFORMATION:
 ; APPLICANT: Botstein, David A.
 ; APPLICANT: Cohen, Robert
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Lawrence, David A.
 ; APPLICANT: Levine, Arnold J.
 ; APPLICANT: Pennica, Diane
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: P1176R2
 ; CURRENT FILING DATE: 1998-10-29
 ; EARLIER FILING DATE: 1997-10-29
 ; EARLIER APPLICATION NUMBER: US 60/063,704
 ; EARLIER FILING DATE: 1997-10-29
 ; EARLIER APPLICATION NUMBER: US 60/073,612
 ; EARLIER FILING DATE: 1998-02-04
 ; EARLIER APPLICATION NUMBER: US 60/081,695
 ; EARLIER FILING DATE: 1998-04-14
 ; NUMBER OF SEQ ID NOS: 156
 ; SEQ ID NO 86
 ; LENGTH: 242
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-182-145-86

Query Match 87.8%; Score 1264.5; DB 4; Length 242;
 Best Local Similarity 90.1%; Pred. No. 7.4e-102;
 Matches 218; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 10 LATSFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 69
 DB 1 LATSFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 60

QY 70 CDSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFT 129
 DB 61 CDSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFT 120

QY 130 CLPLCESDVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 188
 DB 121 CLPLCESDVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 180

QY 189 SADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 248
 DB 181 SADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 240

QY 249 AF 250
 DB 241 AF 242

RESULT 11

US-09-182-145-87
 ; Sequence 87, Application US/09182145B
 ; Patent No. 6387657
 ; GENERAL INFORMATION:
 ; APPLICANT: Botstein, David A.
 ; APPLICANT: Cohen, Robert
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Lawrence, David A.
 ; APPLICANT: Levine, Arnold J.
 ; APPLICANT: Pennica, Diane
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: P1176R2
 ; CURRENT FILING DATE: 1998-10-29
 ; EARLIER FILING DATE: 1997-10-29
 ; EARLIER APPLICATION NUMBER: US 60/063,704
 ; EARLIER FILING DATE: 1997-10-29
 ; EARLIER APPLICATION NUMBER: US 60/073,612
 ; EARLIER FILING DATE: 1998-02-04
 ; EARLIER APPLICATION NUMBER: US 60/081,695
 ; EARLIER FILING DATE: 1998-04-14
 ; NUMBER OF SEQ ID NOS: 156
 ; SEQ ID NO 87
 ; LENGTH: 241
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-182-145-87

Query Match 87.5%; Score 1260.5; DB 4; Length 241;
 Best Local Similarity 90.0%; Pred. No. 1.6e-101;
 Matches 217; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 11 LATSFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 70
 DB 1 LATSFLCILSMVYSCQLCPAPCAPMTPTPOCPGVPLVLDGCGCKVCARRLGSSCDHLH 60

QY 71 DPSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFTC 130
 DB 61 DPSQGLVCOFGAGPGGAGVCLLDEDDGSCENVNGRRYLDGETFKPNCVLCRCDDGGFTC 120

QY 131 LPLCESDVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 189
 DB 121 LPLCESDVRLPSMDCPRPRRIQVPGKCCPEWVCDQGV-TPAIORSTAGHQLSALVTP 180

QY 190 ADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 249
 DB 181 ADAPCPNMSTAWGPGSTTCGLGIATRVSNONRFQLEIQRRLCLSPCLASRSHGSMN 240

QY 250 F 250
 DB 241 F 241

RESULT 12

US-09-182-145-89
 ; Sequence 89, Application US/09182145B
 ; Patent No. 6387657
 ; GENERAL INFORMATION:
 ; APPLICANT: Botstein, David A.
 ; APPLICANT: Cohen, Robert

```

; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 89
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-89

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Query Match      87.3%; Score 1257.5; DB 4; Length 239;
Best Local Similarity 90.4%; Pred. No. 2.9e-101;
Matches 216; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

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QY 13 SFCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 72
DB 1 SFCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 60
QY 73 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 132
DB 61 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 120
QY 133 LCESEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGV-TPA1QRTAQGHQLSALVTPASAD 191
DB 121 LCESEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGVTPA1QRTAQGHQLSALVTPASAD 180
QY 132 APCPNMSTAMGPGSGTTGCGIATRVSNQNFQCLEIQRRLCPRLCLARSHSSWNSAF 250
DB 181 GPCPNMSTAMGPGSGTTGCGIATRVSNQNFQCLEIQRRLCLARSHSSWNSAF 239

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RESULT 13

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US-09-182-145-88
; Sequence 88, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 88

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; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-88

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Query Match      87.3%; Score 1257.5; DB 4; Length 240;
Best Local Similarity 90.4%; Pred. No. 2.9e-101;
Matches 216; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

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QY 13 SFCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 72
DB 2 SFCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 61
QY 73 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 132
DB 62 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 121
QY 133 LCESEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGV-TPA1QRTAQGHQLSALVTPASAD 191
DB 122 LCESEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGVTPA1QRTAQGHQLSALVTPASAD 181
QY 192 APCPNMSTAMGPGSGTTGCGIATRVSNQNFQCLEIQRRLCPRLCLARSHSSWNSAF 250
DB 182 GPCPNMSTAMGPGSGTTGCGIATRVSNQNFQCLEIQRRLCLARSHSSWNSAF 240

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RESULT 14

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US-09-182-145-90
; Sequence 90, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 90
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-90

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Query Match      87.0%; Score 1253.5; DB 4; Length 238;
Best Local Similarity 90.3%; Pred. No. 6.5e-101;
Matches 215; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

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QY 14 FLCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 73
DB 1 FLCLLSMVCAGQLCTPCTCPTPPOCPGVPVLVDGCGCCVCAARRLGSCDHLHYCDP 60
QY 74 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 133
DB 61 SGLVCPGAGPGGAGAVCLDDEDDGSCVNGRRYLDGFTKPNCRVLCRDDGGFTCLP 120
QY 134 CSEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGV-TPA1QRTAQGHQLSALVTPASAD 192
DB 121 CSEVRLPSPMDCPRPRIQVPGKCCPEWVCDQGVTPA1QRTAQGHQLSALVTPASAD 180

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QY 193 PCPMTAMGPCSTTCGIGIATRVSNQRFQOLEIQRCLPRCLARSHSSWNSAF 250
Db 181 PCPMTAMGPCSTTCGIGIATRVSNQRFQOLEIQRCLPRCLARSHSSWNSAF 238

RESULT 15

US-09-182-145-91
; Sequence 91, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 91
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-182-145-91

Query Match

86.6%; Score 1247.5; DB 4; Length 237;

Best Local Similarity 90.3%; Pred. No. 2.1e-100;
Matches 214; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 15 ICLISWVCAQLCRPTCTCPMTPPQCPQGVPLVLDGCGCCCKVCARLIGESCDHLHVCDPSQ 74
Db 1 ICLISWVYSGQCPAPCACPMTPPQCPQGVPLVLDGCGCCCKVCARLIGESCDHLHVCDPSQ 60
QY 75 GLVQPGAGPGAGGAGVCLLDEDDGSCVNGRRYLDGETFKPNCRVLCRCDGSGFTCLPLC 134
Db 61 GLVQPGAGPGAGGAGVCLFEEDDGSCEVNGRRYLDGETFKPNCRVLCRCDGSGFTCLPLC 120
QY 135 SEDVRLSPMCPRPKRITQVPGKCCPEWVCDQGV-TPAIORSTAQGHLSALVTPASADAP 193
Db 121 SEDVRLSPMCPRPKRITQVPGKCCPEWVCDQAVMOPAIQPSAQSGLSLVTPASADGP 180
QY 194 CPNMTAMGPCSTTCGIGIATRVSNQRFQOLEIQRCLPRCLARSHSSWNSAF 250
Db 181 CPNMTAMGPCSTTCGIGIATRVSNQRFQOLEIQRCLPRCLARSHSSWNSAF 237

Search completed: May 6, 2004, 13:25:06
Job time : 24 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 6, 2004, 13:23:38 ; Search time 48 Seconds
(without alignments)
1445.660 Million cell updates/sec

Title: US-10-010-408-2

Perfect score: 1440
Sequence: 1 MRGSPILHLATSFLLISM.....LCPLRPCLARSHSNNSAF 250

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1140673 seqs, 27756755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubppaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/1/pubppaa/PCTUS_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/1/pubppaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB.pep.*
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- 14: /cgn2_6/ptodata/1/pubppaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubppaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1440	100.0	250	US-10-010-408-2	Sequence 2, Appl
2	1323	91.9	227	US-10-010-408-13	Sequence 13, Appl
3	1308.5	90.9	251	US-10-112-267-20	Sequence 20, Appl
4	1303.5	90.5	250	US-10-112-267-78	Sequence 78, Appl
5	1298.5	90.2	249	US-10-112-267-79	Sequence 79, Appl
6	1292.5	89.8	248	US-10-112-267-80	Sequence 80, Appl
7	1291.5	89.7	247	US-10-112-267-81	Sequence 81, Appl
8	1284.5	89.2	246	US-10-112-267-82	Sequence 82, Appl
9	1280.5	88.9	245	US-10-112-267-83	Sequence 83, Appl
10	1276.5	88.6	244	US-10-112-267-84	Sequence 84, Appl
11	1268.5	88.1	243	US-10-112-267-85	Sequence 85, Appl
12	1264.5	87.8	242	US-10-112-267-86	Sequence 86, Appl
13	1260.5	87.5	241	US-10-112-267-87	Sequence 87, Appl
14	1257.5	87.3	239	US-10-112-267-88	Sequence 88, Appl
15	1257.5	87.3	240	US-10-112-267-88	Sequence 88, Appl

16	1253.5	87.0	238	US-10-112-267-90	Sequence 90, Appl
17	1247.5	86.6	237	US-10-112-267-91	Sequence 91, Appl
18	1243.5	86.6	236	US-10-112-267-92	Sequence 92, Appl
19	1234.5	85.7	235	US-10-112-267-93	Sequence 93, Appl
20	1232.5	85.6	234	US-10-112-267-94	Sequence 94, Appl
21	1228.5	85.3	233	US-10-112-267-95	Sequence 95, Appl
22	1224.5	85.0	232	US-10-112-267-96	Sequence 96, Appl
23	1219.5	84.7	231	US-10-112-267-97	Sequence 97, Appl
24	1217.5	84.5	229	US-10-112-267-99	Sequence 99, Appl
25	1217.5	84.5	230	US-10-112-267-98	Sequence 98, Appl
26	1216.5	84.5	228	US-10-112-267-19	Sequence 19, Appl
27	1064	73.9	230	US-09-915-882-53	Sequence 53, Appl
28	1064	73.9	9	US-09-915-882-53	Sequence 69, Appl
29	1064	73.9	250	US-09-833-245-1465	Sequence 1465, Ap
30	1064	73.9	250	US-09-833-245-1466	Sequence 1466, Ap
31	1064	73.9	250	US-10-147-493-320	Sequence 320, App
32	1064	73.9	250	US-10-145-127-320	Sequence 320, App
33	1064	73.9	250	US-10-160-503-320	Sequence 320, App
34	1064	73.9	250	US-10-143-118-320	Sequence 320, App
35	1064	73.9	250	US-10-144-993-320	Sequence 320, App
36	1064	73.9	250	US-10-158-787-320	Sequence 320, App
37	1064	73.9	250	US-10-140-024-320	Sequence 320, App
38	1064	73.9	250	US-10-140-808-320	Sequence 320, App
39	1064	73.9	250	US-10-152-405-320	Sequence 320, App
40	1064	73.9	250	US-10-127-852A-320	Sequence 320, App
41	1064	73.9	250	US-10-127-900A-320	Sequence 320, App
42	1064	73.9	250	US-10-128-685A-320	Sequence 320, App
43	1064	73.9	250	US-10-131-820A-320	Sequence 320, App
44	1064	73.9	250	US-10-146-728-320	Sequence 320, App
45	1064	73.9	250	US-10-146-728-320	Sequence 320, App

ALIGNMENTS

RESULT 1
US-10-010-408-2
; Sequence 2, Application US/10010408
; Publication No. US20020165185A1
; GENERAL INFORMATION:
; APPLICANT: John J. Castellot, Jr.
; TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
; and Uses Therefor
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/010,408
; FILING DATE: 07-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/044,273
; FILING DATE: March 19, 1998
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MHI-004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 250 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-010-408-2

Query Match 100.0%; Score 1440; DB 13; Length 250;
Best Local Similarity 100.0%; Pred. No. 7,2e-113;
Matches 250; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSPHLHLATSPFLCLISWCAQLCRPTCTCPMTPTPOCGVPLVLDGCGCCCKVCARRL 60
DB 1 MRGSPHLHLATSPFLCLISWCAQLCRPTCTCPMTPTPOCGVPLVLDGCGCCCKVCARRL 60
QY 61 GESCDHLAVCDPSQGLVCPGAGPGHGAVALLEDDEDSCEVNGRRYLDGETFKPNCRYL 120
DB 61 GESCDHLAVCDPSQGLVCPGAGPGHGAVALLEDDEDSCEVNGRRYLDGETFKPNCRYL 120
QY 121 CRDDGFTCLPLCESEDEVRLPSWDCPRPKRIQVPGKCCPEWVCDQGVTPAIORSTAGHQ 180
DB 121 CRDDGFTCLPLCESEDEVRLPSWDCPRPKRIQVPGKCCPEWVCDQGVTPAIORSTAGHQ 180
QY 181 ISALVTPASADAPCPNMSTANGPGSTTGGLGIATVSNQNRFCOLEIQRRLCLPRPCLAA 240
DB 181 ISALVTPASADAPCPNMSTANGPGSTTGGLGIATVSNQNRFCOLEIQRRLCLPRPCLAA 240
QY 241 RSHSSMNSAF 250
DB 241 RSHSSMNSAF 250

RESULT 2

US-10-010-408-13
Sequence 13, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellote, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CGN-like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7480
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-010-408-13

Query Match 91.9%; Score 1323; DB 13; Length 227;
Best Local Similarity 100.0%; Pred. No. 4,2e-103;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 QLCRTPTCTPMTPTPOCGVPLVLDGCGCCCKVCARRLGESCDHLAVCDPSQGLVCPGAG 83
DB 1 QLCRTPTCTPMTPTPOCGVPLVLDGCGCCCKVCARRLGESCDHLAVCDPSQGLVCPGAG 60
QY 84 PGGHGAVALLEDDEDSCEVNGRRYLDGETFKPNCRYL 143
DB 61 PGGHGAVALLEDDEDSCEVNGRRYLDGETFKPNCRYL 120
QY 144 DCPKPKRIQVPGKCCPEWVCDQGVTPAIORSTAGHQLSALVTPASADAPCPNMSTANGP 203
DB 121 DCPKPKRIQVPGKCCPEWVCDQGVTPAIORSTAGHQLSALVTPASADAPCPNMSTANGP 180
QY 204 CSTTGGLGIATVSNQNRFCOLEIQRRLCLPRPCLARSHSSMNSAF 250
DB 181 CSTTGGLGIATVSNQNRFCOLEIQRRLCLPRPCLARSHSSMNSAF 227

RESULT 3

US-10-112-267-20
Sequence 20, Application US/10112267
Publication No. US20030068678A1
GENERAL INFORMATION:

APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 20
LENGTH: 251
TYPE: prt
ORGANISM: Mus musculus
US-10-112-267-20

Query Match 90.9%; Score 1308.5; DB 14; Length 251;
Best Local Similarity 90.0%; Pred. No. 7,6e-102;
Matches 226; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 1 MRGSPHLHLATSPFLCLISWCAQLCRPTCTCPMTPTPOCGVPLVLDGCGCCCKVCARRL 60
DB 1 MRGSPHLHLATSPFLCLISWCAQLCRPTCTCPMTPTPOCGVPLVLDGCGCCCKVCARRL 60
QY 61 GESCDHLAVCDPSQGLVCPGAGPGHGAVALLEDDEDSCEVNGRRYLDGETFKPNCRYL 120
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QY 121 CRDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 179
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QY 180 QLSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 239
DB 181 QLSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
QY 240 ARSHSWSNSAF 250
DB 241 SRSHGSWSNSAF 251

RESULT 4
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; Sequence 78, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 78
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-78

Query Match 90.5%; Score 1303.5; DB 14; Length 250;
Best Local Similarity 90.0%; Pred. No. 2e-101;
Matches 225; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 2 RGSPLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 61
DB 1 RGNPLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 60
QY 62 ESCDHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLC 121
DB 61 ESCDHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLC 120
QY 122 RCDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 180
DB 121 RCDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 180
QY 181 LSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
DB 181 LSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
QY 241 RSHSWSNSAF 250
DB 241 RSHGSWSNSAF 250

RESULT 5
```

```
US-10-112-267-79
; Sequence 79, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 79
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-79

Query Match 90.2%; Score 1298.5; DB 14; Length 249;
Best Local Similarity 90.0%; Pred. No. 5.2e-101;
Matches 224; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 3 GSPHLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 62
DB 1 GNPPLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 60
QY 63 SCDFHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLCR 122
DB 61 SCDFHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLCR 120
QY 123 CDDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 181
DB 121 CDDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 180
QY 182 SALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 241
DB 181 SALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
QY 242 SHSWSNSAF 250
DB 241 SHGSWSNSAF 249

RESULT 6
US-10-112-267-80
; Sequence 80, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 80
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-80

Query Match 90.5%; Score 1303.5; DB 14; Length 250;
Best Local Similarity 90.0%; Pred. No. 2e-101;
Matches 225; Conservative 9; Mismatches 15; Indels 1; Gaps 1;

QY 2 RGSPLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 61
DB 1 RGNPLHLATSPFLCLISMVCAQLCRPTCTCPMTTPCCPOGVPLVLDGCGCCXVCARLGE 60
QY 62 ESCDHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLC 121
DB 61 ESCDHLAVCDPSQGLVCPGAGPGGAGVCLLDEDDSCENVGRYLDGETFXPCRYLC 120
QY 122 RCDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 180
DB 121 RCDGGFTCLPLCSEEDVRLPSWDCPRPKRIQVPGKCCPEWVCDQGV-TPAIQRSTAGQH 180
QY 181 LSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
DB 181 LSALVTASADAPCPNWSMTAMGPCSTTCGLGIATRVSNONRFQCLEIQRRLCLRPCLAA 240
QY 241 RSHSWSNSAF 250
DB 241 RSHGSWSNSAF 250

RESULT 5
```

```
/ TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/10/112,267
/ CURRENT FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
/ NUMBER OF SEQ ID NOS: 156
/ SEQ ID NO 80
/ LENGTH: 248
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-112-267-80
```

```
Query Match      89.8%; Score 1292.5; DB 14; Length 248;
Best Local Similarity 89.9%; Pred. No. 1.7e-100;
Matches 223; Conservative 9; Mismatches 15; Indels 1; Gaps 1;
```

```
QY 4 SPLHLATSFCLLSWCAQLCRTPCTCPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 63
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 NPLHLAISFLCLISWYSQLCAPACAPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 64 CHLHVCDPSQGLVQCPGAGPGGAGVCLDEDDGSCENVGRYYLDGETFKXNCVLCRCD 123
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 CHLHVCDPSQGLVQCPGAGPGGAGVCLDEDDGSCENVGRYYLDGETFKXNCVLCRCD 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 124 DGGFTCLPLGSEEDVRLPSMDCPRPRRIQVPRGCCPEWVCDOGV-TPAIORSTAGHQLS 182
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 DGGFTCLPLGSEEDVRLPSMDCPRPRRIQVPRGCCPEWVCDOGVAMPALQPSAQHQLS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 183 ALVTPASADAPCPNMTSTAMGPGSTTCGIGIATRVSNONRFQCLEIQRRLCLSRPCLARS 242
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 ALVTPASADAPCPNMTSTAMGPGSTTCGIGIATRVSNONRFQCLEIQRRLCLSRPCLARS 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 243 HSSMNSAF 250
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 HSSMNSAF 248
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 7

```
US-10-112-267-81
/ Sequence 81, Application US/10112267
/ Publication No. US20030068678A1
/ GENERAL INFORMATION:
/ APPLICANT: Botstein, David A.
/ APPLICANT: Cohen, Robert
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Lawrence, David A.
/ APPLICANT: Levine, Arnold J.
/ APPLICANT: Pennica, Diane
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/10/112,267
/ CURRENT FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
/ NUMBER OF SEQ ID NOS: 156
/ SEQ ID NO 81
```

```
/ LENGTH: 247
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-112-267-81
```

```
Query Match      89.7%; Score 1291.5; DB 14; Length 247;
Best Local Similarity 90.3%; Pred. No. 2e-100;
Matches 223; Conservative 8; Mismatches 15; Indels 1; Gaps 1;
```

```
QY 5 PLHLATSFCLLSWCAQLCRTPCTCPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 64
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 PLHLAISFLCLISWYSQLCAPACAPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 65 DHLHVCDPSQGLVQCPGAGPGGAGVCLDEDDGSCENVGRYYLDGETFKXNCVLCRCD 124
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 DHLHVCDPSQGLVQCPGAGPGGAGVCLDEDDGSCENVGRYYLDGETFKXNCVLCRCD 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 125 DGGFTCLPLGSEEDVRLPSMDCPRPRRIQVPRGCCPEWVCDOGV-TPAIORSTAGHQLS 183
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 DGGFTCLPLGSEEDVRLPSMDCPRPRRIQVPRGCCPEWVCDOGVAMPALQPSAQHQLS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 184 LVTTPASADAPCPNMTSTAMGPGSTTCGIGIATRVSNONRFQCLEIQRRLCLSRPCLARS 243
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 LVTTPASADAPCPNMTSTAMGPGSTTCGIGIATRVSNONRFQCLEIQRRLCLSRPCLARS 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 244 SSMSNSAF 250
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 SSMSNSAF 247
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 8

```
US-10-112-267-82
/ Sequence 82, Application US/10112267
/ Publication No. US20030068678A1
/ GENERAL INFORMATION:
/ APPLICANT: Botstein, David A.
/ APPLICANT: Cohen, Robert
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Lawrence, David A.
/ APPLICANT: Levine, Arnold J.
/ APPLICANT: Pennica, Diane
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
/ FILE REFERENCE: P1176R2
/ CURRENT APPLICATION NUMBER: US/10/112,267
/ CURRENT FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
/ NUMBER OF SEQ ID NOS: 156
/ SEQ ID NO 82
/ LENGTH: 246
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-112-267-82
```

```
Query Match      89.2%; Score 1284.5; DB 14; Length 246;
Best Local Similarity 90.2%; Pred. No. 7.7e-100;
Matches 222; Conservative 8; Mismatches 15; Indels 1; Gaps 1;
```

```
QY 6 LHLATSFCLLSWCAQLCRTPCTCPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 65
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 LHLAISFLCLISWYSQLCAPACAPMTTPPCPGVPLVLDGCCGCKVCARRLGESC 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 66 HLHVCDPSQGLVQCPGAGPGGAGVCLDEDDGSCENVGRYYLDGETFKXNCVLCRCD 125
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```

Db      61  HLAHVDPSQGLVCPGAGPSGRGAVCLFEEDDSCGVNRRYLDGETFKNCRVLCRCD 120
QY      126  GGFTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSAL 184
Db      121  GGFTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSAL 180
QY      185  VTPASADAPCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 244
Db      181  VTPASADGCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 240
QY      245  SWSNAF 250
Db      241  SWSNAF 246

RESULT 9
US-10-112-267-83
; Sequence 83, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 83
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-83

Query Match      88.9%; Score 1280.5; DB 14; Length 245;
Best Local Similarity 90.2%; Pred. No. 1.7e-99;
Matches 221; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY      7  HHLATSLCLLSWYCAQLCTPCTCPWTTPQCCPGVPLVLDGGCCCKVCARRLGESCDH 66
Db      1  HHLAISFLCLLSWYSQLCPAPCACPTPPQCCPGVPLVLDGGCCCKVCARRLGESCDH 60
QY      67  LHVCDPSQGLVCPGAGPSGRGAVCLDEDDGSCGVNRRYLDGETFKNCRVLCRCDG 126
Db      61  LHVCDPSQGLVCPGAGPSGRGAVCLFEEDDSCGVNRRYLDGETFKNCRVLCRCDG 120
QY      127  GFTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSALV 185
Db      121  GFTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSALV 180
QY      186  TPASADAPCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 245
Db      181  TPASADGCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 240
QY      246  SWSNAF 250
Db      241  SWSNAF 245

```

```

RESULT 10
US-10-112-267-84
; Sequence 84, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 84
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-84

Query Match      88.6%; Score 1276.5; DB 14; Length 244;
Best Local Similarity 90.2%; Pred. No. 3.6e-99;
Matches 220; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY      8  HHLATSLCLLSWYCAQLCTPCTCPWTTPQCCPGVPLVLDGGCCCKVCARRLGESCDH 67
Db      1  HHLAISFLCLLSWYSQLCPAPCACPTPPQCCPGVPLVLDGGCCCKVCARRLGESCDH 60
QY      68  HVCDDPSQGLVCPGAGPSGRGAVCLDEDDGSCGVNRRYLDGETFKNCRVLCRCDG 127
Db      61  HVCDDPSQGLVCPGAGPSGRGAVCLFEEDDSCGVNRRYLDGETFKNCRVLCRCDG 120
QY      128  FTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSALV 186
Db      121  FTCLPLCSEDEVRLPSNDCEPRRIQVPGKCEEWVCDQGV-TPAIGRSTAGHQLSALV 180
QY      187  PASADAPCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 246
Db      181  PASADGCPNWSWTAMGPGCSTTCGIGATRVSNQNRFCQLEIQRRLCLRPCLARS 240
QY      247  NSAF 250
Db      241  NSAF 244

RESULT 11
US-10-112-267-85
; Sequence 85, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.

```

APPLICANT: Pennica, Diane
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: P1176R2
 CURRENT APPLICATION NUMBER: US/10/112,267
 PRIOR FILING DATE: 2002-03-27
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 85
 LENGTH: 243
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-112-267-85

Query Match 88.1%; Score 1268.5; DB 14; Length 243;
 Best Local Similarity 90.1%; Pred. No. 1.7e-98;
 Matches 219; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 9 LIAISFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLH 68
 DB 1 LIAISFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLH 60
 QY 69 VCDPSQGLVCGPAGPGRGAVCLDEDDGSCENVGRRLDGETFKPNCRVLCRDDGGFT 128
 DB 61 VCDPSQGLVCGPAGPGRGAVCLDEDDGSCENVGRRLDGETFKPNCRVLCRDDGGFT 120
 QY 129 TCPLCSEBVRIPSWDCPRPRRIQVPGKCCPEWVCDQY-TPAIQRSTAGHQLSALVTP 187
 DB 121 TCPLCSEBVRIPSWDCPRPRRIQVPGKCCPEWVCDQY-TPAIQRSTAGHQLSALVTP 180
 QY 188 ASADAPCPWSTAMGPCSTTCGIGIATRVSNONRFOLEIQRRLCIPRECLARSHSWNS 247
 DB 181 ASADAPCPWSTAMGPCSTTCGIGIATRVSNONRFOLEIQRRLCIPRECLARSHSWNS 240
 QY 248 SAF 250
 DB 241 SAF 243

RESULT 12
 US-10-112-267-86
 Sequence 86, Application US/10112267
 Publication No. US20030068678A1
 GENERAL INFORMATION:
 APPLICANT: Botstein, David A.
 APPLICANT: Cohen, Robert
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Lawrence, David J.
 APPLICANT: Levine, Arnold J.
 APPLICANT: Pennica, Diane
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: P1176R2
 CURRENT APPLICATION NUMBER: US/10/112,267
 PRIOR FILING DATE: 2002-03-27
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 86
 LENGTH: 242
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-112-267-86

Query Match 87.8%; Score 1264.5; DB 14; Length 242;
 Best Local Similarity 90.1%; Pred. No. 3.6e-98;
 Matches 218; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 10 LIAISFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLH 69
 DB 1 LIAISFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLH 60
 QY 70 CDPGGLVCGPAGPGRGAVCLDEDDGSCENVGRRLDGETFKPNCRVLCRDDGGFT 129
 DB 61 CDPGGLVCGPAGPGRGAVCLDEDDGSCENVGRRLDGETFKPNCRVLCRDDGGFT 120
 QY 130 TCPLCSEBVRIPSWDCPRPRRIQVPGKCCPEWVCDQY-TPAIQRSTAGHQLSALVTP 188
 DB 121 TCPLCSEBVRIPSWDCPRPRRIQVPGKCCPEWVCDQY-TPAIQRSTAGHQLSALVTP 180
 QY 189 SADAPCPWSTAMGPCSTTCGIGIATRVSNONRFOLEIQRRLCIPRECLARSHSWNS 248
 DB 181 SADAPCPWSTAMGPCSTTCGIGIATRVSNONRFOLEIQRRLCIPRECLARSHSWNS 240
 QY 249 AF 250
 DB 241 AF 242

RESULT 13
 US-10-112-267-87
 Sequence 87, Application US/10112267
 Publication No. US20030068678A1
 GENERAL INFORMATION:
 APPLICANT: Botstein, David A.
 APPLICANT: Cohen, Robert
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Lawrence, David J.
 APPLICANT: Levine, Arnold J.
 APPLICANT: Pennica, Diane
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: P1176R2
 CURRENT APPLICATION NUMBER: US/10/112,267
 PRIOR FILING DATE: 2002-03-27
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 87
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-112-267-87

Query Match 87.5%; Score 1260.5; DB 14; Length 241;
 Best Local Similarity 90.0%; Pred. No. 7.8e-98;
 Matches 217; Conservative 8; Mismatches 15; Indels 1; Gaps 1;

QY 11 ATSPFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLHVC 70
 DB 1 ATSPFLCLISWVCAQLCTPCTCPTPQCGVPIVLDGCGCKVCARRIGESCDHLHVC 70

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Db      1 AISELCILSMVYSQICLPAPACEMTPPQCPGVPLVLDGCGCCRCVARRIGSSCDHLHVC 60
QY      71 DPSQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTC 130
Db      61 DPSQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTC 120
QY      131 LPLCSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGV-TPAIORSTAQGHQLSALVTPAS 189
Db      121 LPLCSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGVMPAIOPSAOGHQLSALVTPAS 180
QY      190 ADAPCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSA 249
Db      181 ADAPCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSA 240
QY      250 F 250
Db      241 F 241

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RESULT 14

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US-10-112-267-89
; Sequence 89, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P11762
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: US/10/112,267
; PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 89
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-89

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Query Match      87.3%; Score 1257.5; DB 14; Length 239;
Best Local Similarity 90.4%; Pred. No. 1.4e-97;
Matches 216; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

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QY      13 SFLCILSMVCAQCICRTPCTCPMTTPQCPGVPLVLDGCGCCRCVARRIGSSCDHLHVC 72
Db      1 SFLCILSMVYSQICLPAPACEMTPPQCPGVPLVLDGCGCCRCVARRIGSSCDHLHVC 60
QY      73 SQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTCLP 132
Db      61 SQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTCLP 120
QY      133 LQSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGV-TPAIORSTAQGHQLSALVTPASAD 191
Db      121 LQSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGVMPAIOPSAOGHQLSALVTPASAD 180
QY      192 APCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSAF 250
Db      181 APCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSAF 239

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RESULT 15

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US-10-112-267-88
; Sequence 88, Application US/10112267
; Publication No. US20030068678A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P11762
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 88
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-112-267-88

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Query Match      87.3%; Score 1257.5; DB 14; Length 240;
Best Local Similarity 90.4%; Pred. No. 1.4e-97;
Matches 216; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

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QY      13 SFLCILSMVCAQCICRTPCTCPMTTPQCPGVPLVLDGCGCCRCVARRIGSSCDHLHVC 72
Db      2 SFLCILSMVYSQICLPAPACEMTPPQCPGVPLVLDGCGCCRCVARRIGSSCDHLHVC 61
QY      73 SQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTCLP 132
Db      62 SQGLVCPGAGPGGAGVCLLDEDDGSCENVGRRYLDGETFPKNCRYLCRCDDGGFTCLP 121
QY      133 LQSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGV-TPAIORSTAQGHQLSALVTPASAD 191
Db      122 LQSEDEVRLPSWDCPRPRRIQVPGKCCPEWVCDOGVMPAIOPSAOGHQLSALVTPASAD 181
QY      192 APCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSAF 250
Db      182 APCPNWSIAMGPCSTTCGIGIATRVSNONRFQOLEIQRRLCLSPCLASRSHGSWNSAF 240

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Search completed: May 6, 2004, 13:29:55
Job time : 49 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus.p2n model

Run on: May 9, 2004, 11:05:42 ; Search time 83 Seconds

(Without alignments)
1671.539 Million cell updates/sec

Title: US-10-010-408-2

Perfect score: 1440
Sequence: 1 MRGSPILHILATSFLLLSM.....LCILRPCLARSHSNWSAF 250

Scoring table:

BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blonsum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=plco -NORM=ext -HEADSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO_MMAP -LARGEDUTRY -NEG_SCORES=0 -WAIT -DSBLOCK=100 -LONGIOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database: Issued Patents NA:

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5: /cgml2_6/ptodata/2/ina/6C.COMB.seq.*
6: /cgml2_6/ptodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1308.5	90.9	1734	4	US-09-182-145-17
2	1308.5	90.9	1734	4	US-09-182-145-18
3	1064	73.9	1293	4	US-09-182-145-13
4	1064	73.9	1293	4	US-09-182-145-14
5	1047	72.7	738	4	US-09-182-145-38
6	1045.5	72.6	841	4	US-09-182-145-39
7	612	42.5	647	4	US-09-023-655-790
8	564	39.2	2075	1	US-08-167-628-1
9	564	39.2	2075	1	US-08-386-680-1
10	564	39.2	2075	1	US-08-459-717-1
11	564	39.2	2075	1	US-08-712-102-1
12	564	39.2	2075	2	US-08-880-031-1

13	564	39.2	2075	3	US-09-097-179-1	Sequence 1, Appli
14	564	39.2	2075	3	US-09-080-715-1	Sequence 1, Appli
15	564	39.2	2075	4	US-09-142-569-7	Sequence 7, Appli
16	564	39.2	2075	4	US-09-461-688-1	Sequence 1, Appli
17	564	39.2	2075	4	US-09-023-655-1044	Sequence 1044, Ap
18	564	39.2	2075	5	PCT-US86-08140-1	Sequence 1, Appli
19	564	39.2	2998	3	US-09-054-368-1	Sequence 1, Appli
20	564	39.2	2998	3	US-09-054-368-1	Sequence 1, Appli
21	564	39.2	2998	3	US-09-056-704-1	Sequence 1, Appli
22	550.5	38.2	2267	4	US-09-142-569-5	Sequence 5, Appli
23	548.5	38.1	2338	4	US-09-582-337-1	Sequence 1, Appli
24	542.5	37.7	2350	4	US-09-187-478-1	Sequence 1, Appli
25	542.5	37.7	2350	4	US-09-292-036-1	Sequence 1, Appli
26	511	35.5	4214	4	US-09-122-135-1	Sequence 9, Appli
27	503.5	35.0	1766	4	US-09-182-145-9	Sequence 10, Appli
28	503.5	35.0	1766	4	US-09-182-145-10	Sequence 23, Appli
29	501.5	34.8	1403	4	US-09-142-145-23	Sequence 1, Appli
30	500.5	34.8	1480	4	US-09-142-569-1	Sequence 1, Appli
31	498.5	34.6	1146	4	US-09-348-815-1	Sequence 1, Appli
32	498.5	34.6	2830	4	US-09-182-145-1	Sequence 2, Appli
33	498.5	34.6	2830	4	US-09-182-145-2	Sequence 3, Appli
34	496.5	34.5	1418	4	US-09-142-569-3	Sequence 1, Appli
35	465	32.3	1128	2	US-08-459-101A-1	Sequence 29, Appli
36	446	31.0	1101	4	US-09-182-145-29	Sequence 3, Appli
37	431.5	30.0	669	4	US-09-461-688-3	Sequence 30, Appli
38	377.5	26.2	1335	4	US-09-182-145-30	Sequence 31, Appli
39	377.5	26.2	1335	4	US-09-182-145-31	Sequence 34, Appli
40	372.5	25.9	1212	4	US-09-182-145-34	Sequence 35, Appli
41	372.5	25.9	1212	4	US-09-182-145-35	Sequence 1, Appli
42	371.5	25.8	1142	4	US-09-253-316-1	Sequence 3, Appli
43	326.5	22.7	1062	4	US-09-253-316-3	Sequence 24, Appli
44	220	15.3	693	4	US-09-182-145-24	Sequence 26, Appli
45	220	15.3	1202	4	US-09-182-145-26	

ALIGNMENTS

RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Boehrstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17
Alignment Scores: 4,53e-96 Length: 1734
Pred. No.: 1308.50 Matches: 226
Score: 93.63% Conservative: 9

Best Local Similarity: 90.04% Mismatches: 15
 Query Match: 90.87% Indels: 1
 DB: 4 Gaps: 1

US-10-010-408-2 (1-250) x US-09-182-145-17 (1-1734)

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QY 1 MetArgIyserProleu11HisLeu1a1ThrSerPheLeuCyLeuLeuSerMet 20
DB 257 ATGAGGGGCAACCCATGATCTTCTGCGCAATTCCTCTCTGATCTCTCAATG 316
QY 21 ValCysAlaGlnLeuCyArgThrProCySerThrProProProProGlnCyPro 40
DB 317 GTGATTCGCCAGCTGTGCCAGCAACCCGTGCTCTCTTGAACCAACCCAGTGCCCA 376
QY 41 GlnGlyValProLeuValLeuAspGlyCySerGlyCySerGlyValCyAlaArgArgLeu 60
DB 377 CCGGGGGATACCCCTGCTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 436
QY 61 GlyIuSerCyAspHisLeuHisValCyAspProSerGlnGlyLeuValCyGlnPro 80
DB 437 GGGAGTCTCTGCAACCTGATGTCTGCAACCCAGGCTGTGTTGTCTAGCCT 496
QY 81 GlyAlaGlyProGlyGlyHisGlyAlaValCySerLeuAspGluAspAspGlySerCys 100
DB 497 GGGGAGGCCCCAGTGGCTGTGTCTGTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 556
QY 101 GlnValAsnGlyArgArgTyrLeuAspGlyGluThrPheLysProAsnCyAspArgValLeu 120
DB 557 GAGGTGAATGGCCGACAGTACTGATGGAGGAGACTTTAAACCAATTGCAAGGTTTG 616
QY 121 CysArgCyAspAspGlyGlyPheThrCysLeuProLeuCySerGlnAspValArgLeu 140
DB 617 TCCCTCTGTGATGAGCGGTGTTCACCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 676
QY 141 ProSerTPAspCyProArgProLysArgGlnValProGlyLysCySerProGln 160
DB 677 CCGAGTGGAGTGTGCCAGCCCGCCAGAGATACAGGTGCCAGAGATGTGCTGTGCTGTGCTGTG 736
QY 161 TyrValCyAspAspGlnGlyVal---ThrProAlaIleGlnArgSerThrAlaGlnGlyHis 179
DB 737 TGGGTGTGTGACCAAGCAGTATGACAGCCGAGCAATCCAGCCCTCTGAGCCCAAGACAC 796
QY 180 GlnLeuSerAlaLeuValThrProAlaSerAlaAspAlaProCyProAsnThrSerThr 199
DB 797 CAACCTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 856
QY 200 AlaTyrGlyProCySerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGln 219
DB 857 GCTTGGGGCCCTGCTCAACCACTGTGGTTGGGCAATGCAACCCGAGTATCCAAACG 916
QY 220 AsnArgPheCysGlnLeuGlnIleGlnArgArgLeuCyLeuProArgProCyLeuAla 239
DB 917 AACCGATTCTGCACTGAGATCCAGCTGCCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 976
QY 240 AlaArgSerHisSerSerThrAsnSerAlaPhe 250
DB 977 TCCAGAGCCACGCTCATGTAGAAAGTGTCTTC 1009

```

RESULT 2

US-09-182-145-18/c
 Sequence 18, Application US/09182145B
 Patent No. 6387657
 GENERAL INFORMATION:
 APPLICANT: Botstein, David A.
 APPLICANT: Cohen, Robert
 APPLICANT: Goddard, Audrey
 APPLICANT: Gueney, Kenneth L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Lawrence, David A.
 APPLICANT: Levine, Arnold J.
 APPLICANT: Pennica, Diane
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Wood, William I.

TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: P1176R2
 CURRENT APPLICATION NUMBER: US/09/182,145B
 EARLIER FILING DATE: 1998-10-29
 EARLIER APPLICATION NUMBER: US 60/063,704
 EARLIER FILING DATE: 1997-10-29
 EARLIER APPLICATION NUMBER: US 60/073,612
 EARLIER FILING DATE: 1998-02-04
 EARLIER APPLICATION NUMBER: US 60/081,695
 EARLIER FILING DATE: 1998-04-14
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 18
 LENGTH: 1734
 TYPE: DNA
 ORGANISM: Mus musculus
 US-09-182-145-18

Alignment Scores:

Pred. No.: 4,53e-96 Length: 1734
 Score: 1308.50 Matches: 226
 Percent Similarity: 93.63% Conservative: 9
 Best Local Similarity: 90.04% Mismatches: 15
 Query Match: 90.87% Indels: 1
 DB: 4 Gaps: 1

US-10-010-408-2 (1-250) x US-09-182-145-18 (1-1734)

```

QY 1 MetArgIyserProleu11HisLeu1a1ThrSerPheLeuCyLeuLeuSerMet 20
DB 1478 ATGAGGGGCAACCCATGATCTTCTGCGCAATTCCTCTCTGATCTCTCAATG 1419
QY 21 ValCysAlaGlnLeuCyArgThrProCySerThrProProProProGlnCyPro 40
DB 1418 GTGATTCGCCAGCTGTGCCAGCAACCCGTGCTCTCTTGAACCAACCCAGTGCCCA 1359
QY 41 GlnGlyValProLeuValLeuAspGlyCySerGlyCySerGlyValCyAlaArgArgLeu 60
DB 1358 CCGGGGGATACCCCTGCTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1299
QY 61 GlyIuSerCyAspHisLeuHisValCyAspProSerGlnGlyLeuValCyGlnPro 80
DB 1298 GGGAGTCTCTGCAACCTGATGTCTGCAACCCAGGCTGTGTTGTGTAGCTT 1239
QY 81 GlyAlaGlyProGlyGlyHisGlyAlaValCySerLeuAspGluAspAspGlySerCys 100
DB 1238 GGGGAGGCCCCAGTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1179
QY 101 GlnValAsnGlyArgArgTyrLeuAspGlyGluThrPheLysProAsnCyAspArgValLeu 120
DB 1178 GAGGTGAATGGCCGACAGTACTGATGGAGGAGACTTTAAACCAATTGCAAGGTTTG 1119
QY 121 CysArgCyAspAspGlyGlyPheThrCysLeuProLeuCySerGlnAspValArgLeu 140
DB 1118 TCCCTCTGTGATGAGCGGTGTTCACCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1059
QY 141 ProSerTPAspCyProArgProLysArgGlnValProGlyLysCySerProGln 160
DB 1058 CCGAGTGGAGTGTGCCAGCCCGCCAGAGATACAGGTGCCAGAGATGTGCTGTGCTGTGCTGTG 999
QY 161 TyrValCyAspAspGlnGlyVal---ThrProAlaIleGlnArgSerThrAlaGlnGlyHis 179
DB 998 TGGGTGTGTGACCAAGCAGTATGACAGCCGAGCAATCCAGCCCTCTGAGCCCAAGACAC 939
QY 180 GlnLeuSerAlaLeuValThrProAlaSerAlaAspAlaProCyProAsnThrSerThr 199
DB 938 CAACCTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 879
QY 200 AlaTyrGlyProCySerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGln 219
DB 878 GCTTGGGGCCCTGCTCAACCACTGTGGTTGGGCAATGCAACCCGAGTATCCAAACG 819
QY 220 AsnArgPheCysGlnLeuGlnIleGlnArgArgLeuCyLeuProArgProCyLeuAla 239

```

Db 818 AACCGATTCTGGCCAACTGGAGAGATCCAGCGTCGCCCTGTGTCTGTCCAGACCCGTGCTGGCA 755
 Qy 240 AAlaArgSerHisSerSerTrpAsnSerAlaPhe 250
 :::
 Db 758 TCCAGAGAGCCACGGCTCATGGAAACAATGCGCTTC 726

RESULT 3

```

US-09-182-145-13
; Sequence 13, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Aubrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 13
; LENGTH: 1293
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-13

```

Alignment Scores:

Pred. No.:	1 3e-76	Length:	1293
Score:	1064.00	Matches:	183
Percent Similarity:	80.40%	Conservative:	17
Best Local Similarity:	73.60%	Mismatches:	49
Query Match:	73.89%	Indels:	0
DB:	4	Gaps:	0

US-10-010-408-2 (1-250) x US-09-182-145-13 (1-1293)

```

QY      1 MetArgIseYrProLeuIIehIstLeuLeuIatMrSerPheLeuCYsLeuLeuSerMet 20
Db      22 ATGAGAGGACACACCGAAGACCACCTCCCTGGCCCTTCTCCCTCCCTGCTCTCTCAAG 81
QY      21 ValCYsIaGInLeuCYsArgThrProCYsThrCYsProTrpThrProGInCYsPro 40
Db      82 GTGGCTAACCAAGCTGTGTCCCGACACATGATCTGCTCCCTGGCCACTTCCCGATGCCG 140
QY      41 GInGIyAlaProLeuValLeuAspGIyCYsGIyCYsCYsIyValCYsAlaArgArgLeu 60
Db      142 CTGGGAGTATCCCTCGTGGCTGAGATGGCTGTGGTGTGCGGGTATGTGACAGGGGGTG 201
QY      61 GIyGInSerCYsAspHstIstLeuHstValCYsAspProSerGInGIyLeuValCYsGInPro 80
Db      202 GGGGAGGCCCTGGCGCACCACTCCGCTGTGGACGCGCACGAGGGGCTGGTCTGGCACGCC 261
QY      81 GIyIaGInGIyProGIyGIyHstGIyHstGIyAlaValCYsLeuLeuAspGIaAspAspGIySerCYs 100
Db      262 GGGGCGAGACCCCGGTGGTCCCGGGGGGCCCTGTGTCTTGTGGCAGAGAGACACAGCACTGT 321
QY      101 GIyAlaAsnGIyArgArgIyIyLeuAspGIyGIyIyIyIyPheIyProAsnCYsArgValLeu 120
Db      322 GAGGTGAACGGCCCGCCCTGTATCGGAGAAAGGGAGAACCTTCAACGCCCACTGCAGCATCCGC 381
QY      121 CYsArgCYsAspAspGIyGIyPheThrCYsLeuProLeuCYsSerGIuAspValArgLeu 140

```

Db 382 TGCCGCTCCAGAGAGGGCGCTTACCTGCGCGCGCTGTGACGAGGATGGCGGCTG 441

Qy 141 ProSerThrPaaPyCysProArgProLysArgIleGlnValProGlyLysCysCysProGln 160

Db 442 CCCAGCTGGAGCTGCCCCACCCCGAGAGGGTCGAGTCTGGGCAAGCTGGCCCTGAG 501

Qy 161 TrpValCysAapGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180

Db 502 TGGGTGTGCGGCCAAGAGAGGGGAGATGGGGACCCAGCCCTTCAGCCCAAGACCCCG 561

Qy 181 LeuSerAlaLeuValThrProAlaSerAlaAapAlaProCysProAsnTrpSerThrAla 200

Db 562 TTTTCTGGCCTGTGCTCTTCCCTCGCCCTGGTGTGCTCCCTGCCAATAAGACAGCGCC 621

Qy 201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220

Db 622 TGGGAGCCCTGTGCACCACTGTGGGGCTGGGCAATGGCCACCGGGGTGTCCACCGAAC 681

Qy 221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240

Db 682 CGCTTCTCCGACCTGAGAACCCAGCGCGCGCTGTGCTGTCCAGGCGCTTCACCCCTCC 741

Qy 241 ArgSerHisSerSerTrpAsnSerAlaPhe 250

Db 742 AGGGGTGCAGTCCACAAACAGTGTCTTC 771

RESULT 4

US-09-162-145-147C
; Sequence 14, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.

APPLICANT: Goddard,

```

1  APPLICANT: Gurney, Austin L.
2  APPLICANT: Hillan, Kenneth J.
3  APPLICANT: Lawrence, David A.
4  APPLICANT: Levine, Arnold J.
5  APPLICANT: Pennica, Diane
6  APPLICANT: Roy, Margaret Ann
7  APPLICANT: Wood, William I.
8  TITLE OF INVENTION: MISP POLYPEPTIDES AND
9  FILE REFERENCE: P1176R2
10 CURRENT APPLICATION NUMBER: US/09/182,145
11 CURRENT FILING DATE: 1998-10-29
12 EARLIER APPLICATION NUMBER: US 60/063,704
13 EARLIER FILING DATE: 1997-10-29
14 EARLIER APPLICATION NUMBER: US 60/073,612
15 EARLIER FILING DATE: 1998-02-04
16 EARLIER APPLICATION NUMBER: US 60/081,695
17 EARLIER FILING DATE: 1998-04-14
18 NUMBER OF SEQ ID NOS: 156
19 SEQ ID NO 14
20 LENGTH: 1293
21 TYPE: DNA
22 ORGANISM: Homo sapiens
23 US-09-182-145-14

```

Alignment Scores:

Pred. No.:	1.3e-76	Length:	129
Score:	1064.00	Matches:	184
Percent Similarity:	80.40%	Conservative:	17
Best Local Similarity:	73.60%	Mismatches:	49
Query Match:	73.89%	Indels:	0
DB:	4	Gaps:	0

US-10-010-408-2 (1-250) X US-09-182-145-14 (1-1293)

Qy 1 MetArgGlySerProLeuIleHISLeuLeuAlaThrSerPheLeuGlyLeuLeuSerMet 20

Db 1272 ATGAGGAGGACACCGAAGACCCCTCTGCGCTTCTCCCTCTCTGCGCTCTCTCAAG 1213

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QY 21 Val CysAlaGlnLeuCysArgThrProCysThrProTrrThrProProGlnCysPro 40
DB 1212 GTGGGTACCCAGCTCTGTGCCCCACACACATGTACTGGCCCCCTGGCCACCTCCCCGATGCCG 1153
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysValValCysAlaArgLeu 60
DB 1152 CTGGGAGTACCCCTGTGCTGATGCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1093
QY 61 GlyGluSerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
DB 1092 GGGAGCCCTGACACCACTCAGCTGCGACCGCACCGAGGCTGTGCTGCGACGCC 1033
QY 81 GlyAlaGlyProGlyGlyHisGlyValValCysLeuLeuAspGlyAspAspGlySerCys 100
DB 1032 GGGGAGGACCCCGTGGCCGGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 973
QY 101 GluValAlaGlnGlyArgArgTyrLeuAspGlyGluThrPheLysProAsnGlyArgValLeu 120
DB 972 GAGGTGAACGGCCGCTGTATCGGGAGAGGGAGACTTCCAGCCCTGACGATCGACATCCGC 913
QY 121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGlyAspValArgLeu 140
DB 912 TCCCTCTGGAGAGAGGGGGCTTCACTGCGCTGCGCTGCGAGAGATGTGGGCTG 853
QY 141 ProSerTrpAspCysProArgProLysArgIleGlnValProGlyLysCysCysProGlu 160
DB 852 CCGAGCTGGAGACTGGCCCCACCCACAGAGGTGCAAGTCTGGGCAAGTGGCTGAG 793
QY 161 TrpValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
DB 792 TGGGTGTGGCGCCAGAGAGGGGAGACTGGGAGCCAGCCCTTCCAGCCCAAGAGCCCAAG 733
QY 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
DB 732 TTTTGGCTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 673
QY 201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerArgGlnAsn 220
DB 672 TGGGACCTGCTGCCACCACTGTGTGGCTGGGATGGCCACCCGGGTGCCAACCAAGAAC 613
QY 221 ArgPheCysGlnLeuGlnIleGlnArgGlyLeuCysLeuProArgProCysLeuAlaIle 240
DB 612 CGCTTCTGGCCAGTGGAGACCCGCGCTGTGTCTGTCTGTCAAGCCCTGCGCACCTCTCC 553
QY 241 ArgSerHisSerSerTrpAsnSerAlaPhe 250
DB 552 AGGGGTGGAGTCCACAAACAGTGCCTTC 523

RESULT 5
US-09-182-145-38
; Sequence 38, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; CURRENT FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
```

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; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 38
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-182-145-38

Alignment Scores:
Pred. No.: 1,44e-75 Length: 738
Score: 1047.00 Matches: 181
Percent Similarity: 80.08% Conservative: 16
Best Local Similarity: 73.58% Mismatches: 49
Query Match: 72.71% Indels: 0
DB: 4 Gaps: 0

US-10-010-408-2 (1-250) x US-09-182-145-38 (1-738)

QY 5 ProLeuIleHisLeuLeuAlaThrSerPheLeuCysLeuLeuSerMetValCysAlaGln 24
DB 1 CCGAAGACCCACCTCTGCGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 60
QY 25 LeuCysArgThrProCysThrCysProTrrThrProProGlnCysProGlnGlyValPro 44
DB 61 CTGTGCCCGACACCATGTACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 45 LeuValLeuAspGlyCysGlyCysCysValValCysAlaArgArgLeuGlyGlySerCys 64
DB 121 CTGTGTCTGATGTGCTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 180
QY 65 AspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnProGlyValGlyPro 84
DB 181 GACCAACTCCACGCTCTGCGACGCCAGCCAGCGCTGGTCTGACGCCCGGGGAGAGACC 240
QY 85 GlyGlyHisGlyAlaValCysLeuLeuAspGlyLeuAspGlySerCysGlyValAlaGlnGly 104
DB 241 GGTGGCGGGGGGCGCTGTGCTGCTCTGCGACAGAGACGACACAGCTGTGAGGTGAACGGC 300
QY 105 ArgArgTyrLeuAspGlyGlyThrPheLysProAsnGlyValGlnGlyValCysArgCysAsp 124
DB 301 CGCTGTGTGGAGAGAGAGAGACCTTCCAGCCCTCAGACATCCGCTGCGCTGCGAG 360
QY 125 AspGlyGlyPheThrCysLeuProLeuCysSerGlyAspValArgLeuProSerTrpAsp 144
DB 361 GACGGCGGCTTCACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 145 CysProArgProLysArgIleGlnValProGlyLysCysCysProGlnThrValCysAsp 164
DB 421 TGCCCCACCCAGAGAGGTGAGGTCTGTGGCAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
QY 165 GlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu 184
DB 481 CAGGAGGGGAGACTGGGAGACCCAGCCCTTCCAGCCCAAGAGACCCCAAGTTTCTGAGCTT 540
QY 185 ValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAlaTrpGlyProCys 204
DB 541 GTCTCTTCCCTGCCCCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
QY 205 SerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsnArgPheCysGln 224
DB 601 TCGACCACTGTGGGTGGGATGGCCACCGGGGTGCCAACACAGAACCGCTTCTGCCA 660
QY 225 LeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaIleArgSerHisSer 244
DB 661 CTGGAGACCCAGCGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
QY 245 SerTrpAsnSerAlaPhe 250
DB 721 CCAAAACAGTGCCTTC 738

RESULT 6
US-09-182-145-39
; Sequence 39, Application US/09182145B
; Patent No. 6387657
```


Score: 612.00 Matches: 109
 Percent Similarity: 78.21% Conservative: 13
 Best Local Similarity: 69.87% Mismatches: 34
 Query Match: 42.50% Indels: 1
 Gaps: 0

US-10-010-408-2 (1-250) x US-09-023-655-790 (1-647)

QY 95 GUAAPSPGLYSerCysGluValLeuGlyArgArgTyrLeuAspGlyValThrPheLeu 114
 DB 15 GAGAGACAGACGCTGTAGGTGAACGCGCCCTGTACGGGAGGAGGAGCTTCCAG 74
 QY 115 ProAspCysArgValLeuCysArgCysAspAspGlyValPheThrCysLeuProLeuCys 134
 DB 75 CCCCCTGCGAGCATCCGCTGCGCTGCGAGGAGCGCGGCTTCACTGCGCTGCTGCTG 134
 QY 135 SerGluAspValArgLeuProSerThrAspCysProArgProLeuValPro 154
 DB 135 AGCGAGAGATGCGGCTGCGAGCTGAGACTGCGCCACCCAGAGAGGCTCGAGGCTCTG 194
 QY 155 GlyLeuCysCysProGluThrValCysAspGlnGlyValThrProAlaIleGlnArgSer 174
 DB 195 GCGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 253
 QY 175 ThrAlaGlnGlyHisGlnLeuSerAlaLeuValThrProAlaSerAlaPheProCys 194
 DB 254 CCAGCCCAAGACCCAGATTCTGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 313
 QY 195 ProAspThrSerThrAlaThrGlyProCysSerThrThrCysGlyLeuGlyValAlaThr 214
 DB 314 CCAGATGAGACGCGGCTGCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 373
 QY 215 ArgValSerAspGlnAsnArgPheCysGlnLeuGluIleGlnArgLeuCysLeuPro 234
 DB 374 CCGGTTCCACCAAGACCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 433
 QY 235 ArgProCysLeuAlaAlaArgSerHisSerSerThrPheSerAlaPhe 250
 DB 434 AGGCGCTGCGACCCCTCCAGGAGTCCAGCTCCACAAACAGTGCCTTC 481

RESULT 8

US-08-167-628-1
 ; Sequence 1, Application US/08167628
 ; Patent No. 5408040
 ; GENERAL INFORMATION:
 ; APPLICANT: Grotenhorst, Gary R.
 ; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Spensley Horn Judas & Lubitz
 ; STREET: 4225 Executive Square, Suite 1400
 ; CITY: La Jolla
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 92037
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/167,628
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/752,427
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Weherell, Jr. Ph.D., John W.
 ; REGISTRATION NUMBER: 31,678
 ; REFERENCE/DOCKET NUMBER: PD-1294
 ; TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-455-5100
 TELEFAX: 619-455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2075 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 IMMEDIATE SOURCE:
 CLONE: DB60R32
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 130..1177
 US-08-167-628-1

Alignment Scores:

Pred. No.: 3,276-36 Length: 2075
 Score: 564.00 Matches: 112
 Percent Similarity: 58.58% Conservative: 28
 Best Local Similarity: 46.86% Mismatches: 81
 Query Match: 39.17% Indels: 18
 Gaps: 6

US-10-010-408-2 (1-250) x US-08-167-628-1 (1-2075)

QY 13 SerPheLeuCysLeuLeuSerMet-----ValCysAlaGlnLeuCysArgThr 28
 DB 163 GCTTCTGCGTCT 222
 QY 29 ProCysThrCysProThrPro---ProGlnCysProGlnGlyValProLeuValLeu 47
 DB 223 CCGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 282
 QY 48 AspGlyCysGlyCysCysLeuValCysAlaArgLeuGlnGlyGlnSerCysAspHisLeu 67
 DB 283 GACGGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342
 QY 68 HisValCysAspProSerGlnGlyLeuValCysGlnProGlyAlaGlyProGlyGlyHis 87
 DB 343 GACCCCTGCGACCCGACAGAGGCTCTCTCTGTACTTGGCTCCCGGCCAACCGCAG 402
 QY 88 GlyAlaValCysLeuLeuAspGluAspAspGlySerCysGluValAlaGlnArgArgTyr 107
 DB 403 ATCGGCGTGCACCGCC---AAAGATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 459
 QY 108 LeuAspGlyGlnThrPheLeuProAsnCysArgValLeuCysArgCysAspAspGlyGly 127
 DB 460 CGCAGCGGAGAGTCTCTTCCAGAGCAGCTGCAAGTACAGTGCCTGCTGCTGCTGCTGCTG 519
 QY 128 PheThrCysLeuProLeuCysSerGlnAspValArgLeuProSerThrAspCysProArg 147
 DB 520 GTGGCTGTCAGCCCTGTCGAGCATGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 579
 QY 148 ProLysArgIleGlnValProGlyLysCysCysProGluThrValCysAspGlnGlyVal 167
 DB 580 CCGAGAGAGGTCAAGCTGCCCGGGAATGCTGCGAGGTGGGTGTGACAGAG----- 633
 QY 168 ThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
 DB 634 ---CCCAAGACCAA-----ACCGTGTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 684
 QY 185 -----ValThrProAlaSerAlaPheAlaProCysProAsnThrSerThrAla 200
 DB 685 GACACGTTGGCCCAAGCCCACTATGATTAGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTG 744
 QY 201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerGlnAsn 220
 DB 745 TGGAGCGCTGTTCCAAAGCTGTGGAGTGGCATCTCACCCGGATTACATAGACAC 804
 QY 221 ArgPheCysGlnLeuGlnIleGlnArgLeuCysLeuProArgProCysLeuAla 239
 DB 805 GCTCTCTGAGGCTAGAGAGAGAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 861

RESULT 9
US-08-386-680-1
; Sequence 1, Application US/08386680
; Patent No. 5585270
; GENERAL INFORMATION:
; APPLICANT: Grotenhorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/386,680
; FILING DATE: 10-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,628
; FILING DATE:
; APPLICATION NUMBER: US/07/752,427
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: DB60R32
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..1177
; US-08-386-680-1
Alignment Scores:
Pred. No.: 3.27e-36 Length: 2075
Score: 564.00 Matches: 112
Percent Similarity: 58.58% Conservative: 28
Best Local Similarity: 46.86% Mismatches: 81
Query Match: 39.17% Indels: 18
DB: 1 Gaps: 6
US-10-010-408-2 (1-250) x US-08-386-680-1 (1-2075)
QY 13 SerPheLeuCySLeuLeuSerMet-----ValCYbAlaGlnLeuCYsArgThr 28
DB 163 GCCTTCGTCGTCCTCTCTCGCCCTCGACGCGCGCGCGCGCGCAACTGCGAGCGG 222
QY 29 ProCYsThrCYsProTIPThPro---ProGlnCYsProGlnGlyValProLeuValLeu 47
DB 223 CCGTGCCTGCGCGCGCGCGAGCGCGCGCGCGCGCTGCGCGCGCGCGTGAAGCTCGTGTG 282
QY 48 ArgGlyCYsGlyCYsCYsValValCYsAlaArgArgLeuGlyGlyLeuCYsAspHisLeu 67
DB 283 GAGGAGTGGGCTGCTGCGCGCTGCGCGCGCGCGCGAGCTGTGACGACGAGCGC 342

QY 68 HisValCYsAspProSerGlnGlyLeuValCYsGlnProGlnGlyValGlyHis 87
DB 343 GACCCCTGCGACCGCGCAAGAGGCGCTCTGTCGACTTCGCGCTCCCGCGCAACGCGAG 402
QY 88 GlyAlaValCYsLeuLeuAspGluAspArgGlySerCYsGlnValaGlnGlyArgArgTyr 107
DB 403 ATCGGCGTGTGACCGCGC---AAAGATGGAGTGTCTCCGCACTTCCTGGTGTGATGATG 459
QY 108 LeuAspGlyGlnThrPheLeuProAsnCysArgValLeuCYsArgCYsAspAspGlyGly 127
DB 460 CGAGCGGAGAGTCTCTTCAGAGCACTGCAAGTACCAAGTCACTGCTGCTGGAACGGGCG 519
QY 128 PheThrCYsLeuProLeuCYsSerGlnAspValArgLeuProSerTTPAspCYsProArg 147
DB 520 GTGGGCTGCAATGCCCTGTCGAGCATGAGACGTTGCTGTGCGCCACCGCTGACCGCTTC 579
QY 148 ProLYsArgGlnGlnValProGlyLYsCYsCybProGlnTTPValCYsAspGlnGlyVal 167
DB 580 CCGAGGAGGAGTCAAGCTGCGCGGGAATGCTGCAGAGAGTGGTGTGTGAGAG----- 633
QY 168 ThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
DB 634 ---CCCAAGACCA-----ACCGTGTGGGCGCTGCCCTCGCGGCTTACCGCACTGAA 684
QY 185 -----ValThrProAlaSerAlaAspAlaProCYsProAsnTTPSerThrAla 200
DB 685 GACAGCTTTGGCCCGACCAACTATGATTAAGACCAACTGCTGTCAGACCAAGAG 744
QY 201 TTPGlyProCYsSerThrThrCYsGlyLeuGlyIleAlaThrArgValSerAspGlnAsn 220
DB 745 TGGAGCGCTGTTCAGACCTGCGGATGCGATCTCCACCGCGGTACCAATGACAC 804
QY 221 ArgPheCYsGlnLeuGlnIleGlnArgArgLeuCYsLeuProArgProCYsLeuAla 239
DB 805 GCCTTCGTCAGGCTTAGAAGACAGAGCGCGCTGTGACATGATCGACGCTTGGAAGCT 861
RESULT 10
US-08-459-717-1
; Sequence 1, Application US/08459717
; Patent No. 5770209
; GENERAL INFORMATION:
; APPLICANT: Grotenhorst, Gary R.
; APPLICANT: Bradham Jr., Douglas M.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,717
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/752,427
; FILING DATE: 30-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:

QY 68 HisValCysAspProSerGlnGlyLeuValCysGlnProGlyValAlaGlyProGlyGlyHis 87
 DB 343 GACCCCTGCGACCCGACACAGAGGCTCTTCTGTACTTCGCCGCCACCGACAG 402
 QY 88 GlyAlaValCysLeuLeuAspGlnAspAspGlySerCysGluValAsnGlyArgArgTyr 107
 DB 403 ATCGAGCGTGTGACCGCC--AAAGATGTGTCTCCCTCATCTTCGGGTGATGAGGTGAC 459
 QY 108 LeuAspGlyGluThrPheLeuProAsnGlyArgValLeuCysArgCysAspAspGlyGly 127
 DB 460 CGCAGCGGAGAGTCTTCCAGACGCTGCAAGTCCAGTCCAGTCCGCTGAGCGGCG 519
 QY 128 PheThrCysLeuProLeuCysSerGlnuAspValArgLeuProSerTyrAspCysProArg 147
 DB 520 GTGGGCTGTCATGCCCTGTGTGACATGACATGACCTTGTCTGCCACCGCTGACCTGCTTC 579
 QY 148 ProLysArgGlnGlnValProGlyLysCysCysProGluTyrValCysAspGlnGlyVal 167
 DB 580 CCGAGAGGCTGTCAGAGCTGCGGGAATGCTGCGAGAGTGGTGTGTGACGAG-- 633
 QY 168 ThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
 DB 634 ---CCCAAGACCAA-----ACGTGTGTGGGCTGCTGCCGCTTACCGACTGAA 684
 QY 185 -----ValThrProAlaSerAlaAspAlaProCysProAsnTyrSerThrAla 200
 DB 685 GACAGCTTTGGCCGACACCACTATGATTAGACCAACTGCTGCTCCAGACCAAGAG 744
 QY 201 TyrGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
 DB 745 TGGAGCGCTGTCTCCAGACCTGTGGGATGGGATCTCCACCGGGTTACCAATGACAAAC 804
 QY 221 ArgPheCysGlnLeuGluIleGlnArgArgLeuCysLeuProArgProCysLeuAla 239
 DB 805 GCCTCTGCGAGCTAGAGAGCAGAGCGCTGTGACATGTCCAGGCTTGGAAAGCT 861
 RESULT 12
 US-08-880-031-1
 ; Sequence 1, Application US/08880031
 ; Patent No. 5916756
 ; GENERAL INFORMATION:
 ; APPLICANT: Grotendorf, Gary R.
 ; APPLICANT: Bradham Jr., Douglas M.
 ; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Spensley Horn Jubas & Lubitz
 ; STREET: 4225 Executive Square, Suite 1400
 ; CITY: La Jolla
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 92037
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/880,031
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/167,628
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Wetherell, Jr. Ph.D., John W.
 ; REGISTRATION NUMBER: 31,678
 ; REFERENCE/DOCKET NUMBER: PD-1294
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 619-455-5100
 ; TELEFAX: 619-455-5110
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:

; LENGTH: 2075 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; IMMEDIATE SOURCE:
 ; CLONE: DB60R32
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 130..1177
 ; US-08-880-031-1
 Alignment Scores:
 Pred. No.: 3,27e-36 length: 2075
 Score: 564.00 Matches: 112
 Percent Similarity: 58.58% Conservative: 28
 Best Local Similarity: 46.86% Mismatches: 81
 Query Match: 39.17% Indels: 18
 DB: Gaps: 6
 US-10-010-408-2 (1-250) x US-08-880-031-1 (1-2075)
 QY 13 SerPheLeuCysLeuLeuSerMet-----ValCysAlaGlnLeuCysArgThr 28
 DB 163 GCCTCGTGTCTCTCTCGCTGCGCTGCGAGCGCGCGCGCTGCGCAGAACTGCGAGCGG 222
 QY 29 ProCysThrCysProThrPro----ProGlnCysProGlnGlyValProLeuValLeu 47
 DB 223 CCGGCGCGGTGCGCGGACGAGCGCGCGCGCGCTGCGCGCGCGGTGAGCTGTGTG 282
 QY 48 AspGlyCysGlyCysCysValCysAlaArgArgLeuGlyGlnSerCysAspHisLeu 67
 DB 283 GAGGCTGCGCGCTGCTGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 342
 QY 68 HisValCysAspProSerGlnGlyLeuValCysGlnProGlyValAlaGlyProGlyGlyHis 87
 DB 343 GACCCCTGCGACCCGACACAGAGGCTCTTCTGTACTTCGCCGCCACCGACAG 402
 QY 88 GlyAlaValCysLeuLeuAspGlnAspAspGlySerCysGluValAsnGlyArgArgTyr 107
 DB 403 ATCGAGCGTGTGACCGCC--AAAGATGTGTCTCCCTCATCTTCGGGTGATGAGGTGAC 459
 QY 108 LeuAspGlyGluThrPheLeuProAsnGlyArgValLeuCysArgCysAspAspGlyGly 127
 DB 460 CGCAGCGGAGAGTCTTCCAGACGCTGCAAGTCCAGTCCAGTCCGCTGAGCGGCG 519
 QY 128 PheThrCysLeuProLeuCysSerGlnuAspValArgLeuProSerTyrAspCysProArg 147
 DB 520 GTGGGCTGTCATGCCCTGTGTGACATGACATGACCTTGTCTGCCACCGCTGACCTGCTTC 579
 QY 148 ProLysArgGlnGlnValProGlyLysCysCysProGluTyrValCysAspGlnGlyVal 167
 DB 580 CCGAGAGGCTGTCAGAGCTGCGGGAATGCTGCGAGAGTGGTGTGTGACGAG-- 633
 QY 168 ThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
 DB 634 ---CCCAAGACCAA-----ACGTGTGTGGGCTGCTGCCGCTTACCGACTGAA 684
 QY 185 -----ValThrProAlaSerAlaAspAlaProCysProAsnTyrSerThrAla 200
 DB 685 GACAGCTTTGGCCGACACCACTATGATTAGACCAACTGCTGCTCCAGACCAAGAG 744
 QY 201 TyrGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
 DB 745 TGGAGCGCTGTCTCCAGACCTGTGGGATGGGATCTCCACCGGGTTACCAATGACAAAC 804
 QY 221 ArgPheCysGlnLeuGluIleGlnArgArgLeuCysLeuProArgProCysLeuAla 239
 DB 805 GCCTCTGCGAGCTAGAGAGCAGAGCGCTGTGACATGTCCAGGCTTGGAAAGCT 861
 RESULT 13
 US-09-097-179-1
 ; Sequence 1, Application US/09097179

Patent No. 6149916
GENERAL INFORMATION:
APPLICANT: Grotendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,179
FILING DATE:
CLASSIFICATION:
APPLICATION NUMBER: US 08/386,680
FILING DATE: 10-FEB-1995
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5110
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-09-097-179-1
Alignment Scores:
Pred. No.: 3.27e-36 Length: 2075
Score: 564.00 Matches: 112
Percent Similarity: 58.584 Conservative: 28
Best Local Similarity: 46.864 Mismatches: 81
Query Match: 39.174 Indels: 18
DB: 3 Gaps: 6
US-10-010-408-2 (1-250) x US-09-097-179-1 (1-2075)
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DB 163 GCTTCGTGATGCTCTCTGCGCCTCTGACCGCGCGCGTGGCCAGACTGACGCGG 222
QY 29 ProGlyThrCyProTyrThrPro--ProGlnCyProGlnGlyValProLeuValLeu 47
DB 223 CGGTGGCGGTGCGCGGACGAGCGGCGCGCGCTGCGCGCGGCGGTGAGCTCGTGGTG 282
QY 48 ArgGlyCyGlyCyGlyCyGlyValCyAlaArgGlnGlyGlnSerCyAlaSerPhe 67
DB 283 GACGGGTGGGCTGCTGCGCGCTGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 342
QY 68 HisValCyAspProSerGlnGlyLeuValCyGlnProGlyAlaGlyProGlyGlnHis 87

DB 343 GACCCCTGCGACCGCGACAGGCGCTTCTGTGACTTCGCTCCCGGCAACCGCAG 402
QY 88 G1yAlaValCySLeuLeuAspGluAspAspGlySerCySg1ValAsnGlyArgArgTyr 107
DB 403 ATCGCGGTGTCACCGCC---AAAGATGTGCTCTCCCTGCACTTCCTGGGTGACGTGAC 459
QY 108 LeuAspGlyGlnThrPheLeuProAsnCySArgValLeuCySArgCyAspAspGlyGly 127
DB 460 CGCAGCGGAGAGTCTTCCAGAGCTGCAAGTACAGTACAGTCCGCTCGGACGCGGCG 519
QY 128 PheThrCySLeuProLeuCySArgGluAspValArgLeuProSerTyrAspCySProArg 147
DB 520 GTGGCTGCAATGCCCTGTGCAATGACATGACCTGCTGCGGCGGCTTACCGACTGGA 579
QY 148 ProLysArg1LeGlnValProGlyLysCySProGlnTyrValCyAspGlnGlyVal 167
DB 580 CCGAGAGGCTGCAAGCTGCGCGGAAATGCTGCGGAGGATGGGTGTGAGAGAG----- 633
QY 168 ThrProAla1LeGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
DB 634 ---CCCAAGACCAA-----ACCGTGTGGGCGCTGCGCGGCTTACCGACTGGA 684
QY 185 -----ValThrProAlaSerAlaAspAlaProCySProAsnTyrSerThrAla 200
DB 685 GACAGTTTGGCCCAAGCCCACTATGATTAAGAGCAACTGCTGTCACACACAGAG 744
QY 201 TrrGlyProCySserThrThrCyGlyLeuGly11eAlaThrArgValSerAsnGlnAsn 220
DB 745 TGGAGCGGCTGTCCAGAGACTGTGGATGGGCACTCTCCACCGGGTACCAATGACAAAC 804
QY 221 ArgPheCySglnLeuGln11eGlnArgArgLeuCySLeuProArgProCySLeuAla 239
DB 805 GCTTCGTGAGGCTTGAAGAGACAGCGCGCTGTGCAATGTCAGGCTTGGAGAACT 861
RESULT 14
US-09-080-715-1
Sequence 1, Application US/09080715
Patent No. 6190884
GENERAL INFORMATION:
APPLICANT: Grotendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/080,715
FILING DATE:
CLASSIFICATION:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5110
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:

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SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-09-080-715-1

Alignment Scores:
Pred. No.: 3,27e-36 Length: 2075
Score: 564.00 Matches: 112
Percent Similarity: 58.58% Conservative: 28
Best Local Similarity: 46.86% Mismatches: 81
Query Match: 39.17% Indels: 18
Gaps: 6

US-10-010-408-2 (1-250) x US-09-080-715-1 (1-2075)
QY 13 SerPheLeuCySLeuLeuSerMet-----ValCySAlaGlnLeuCySArgThr 28
Db 163 GCCTTCGTGCTCTCTCGCCCTTGACGCCGCCGCGCTCGGCGCAACTGCGAGCGG 222
QY 29 ProCySThrCySProTPrThrPro---ProGlnCySProGlnGlyValProLeuValLeu 47
Db 223 CCGTGGCGGTCCTCCGAGCAGACCGCGCGCGCTGCGCGCGCGCGCGCTGCTGCTG 282
QY 48 AspGlyCySgLyCySgLyValCySAlaArgLeuGlnGlySerCySAspHisLeu 67
Db 283 GACGGCTGCGGCTGCTGCTGCTGCTGCGCGCAAGCAGCTGGCGTGTGACCGAGCGC 342
QY 68 HisValCySAspProSerGlnGlyLeuValCySglnProGlnGlyValGlyHis 87
Db 343 GACCCCTGCGACCGCAGCAGAGCGCTCTGTGACTTCGCGCTCCCGCGCAACCGCAG 402
QY 88 GlnAlaValCySLeuLeuAspGlnAspArgLySerCySglnValAlaGlnGlyArgTyr 107
Db 403 ATCGGCGTGTGACCGCC---AAAGATGGTGTCTCTCTGATCTTCGGTGTACGGTAC 459
QY 108 LeuAspGlnGlnThrPheLySProAsnCySArgValLeuCySArgCySAspAspGlyGly 127
Db 460 CGCAGCGAGAGTCTCTTCCAGAGCAGCTGCAGATACAGTACAGTCTGACGGGGCG 519
QY 128 PheThrCySLeuProLeuCySAspValArgLeuProSerTPrAspCySProArg 147
Db 520 GTGGGCTGCATGCGCCCTGTGCAGCATGACGTTGCTGCGCCAGCCTGACTGCCCTTC 579
QY 148 ProLySArgIleGlnAlaProGlnGlyCySAspProGlnTPrValCySAspGlnGlyVal 167
Db 580 CCGAGGAGGCTCAAGCTGCGCGGAAATGCTGCGAGAGTGGGTGTGACGAG----- 633
QY 168 ThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAlaLeu----- 184
Db 634 ---CCCAAGAGCAAA-----ACGTTGGTGGGCTGCTCGCGGCTTACCGACTGAA 684
QY 185 -----ValThrProAlaSerAlaAspAlaProCySProAsnTPrSerThrAla 200
Db 685 GACACGTTGGCCCGACCAACTATGATTAGAACCAACTGCTGTCAGACCAAGAG 744
QY 201 TrpGlyProCySAspThrThrCySgLyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db 745 TGGAGCGCGCTGTTCCAGACCTGTGGGATGGGATCTCCACCGCGGTATTACCAATGACAC 804
QY 221 ArgPheCySglnLeuGlnIleGlnArgLeuCySLeuProArgProCySLeuAla 239
Db 805 GCCTCTCGCAGGCTAGAGAGCAGAGCGCGCTGTGATGTCAGGCGCTTGCAGAGCT 861
RESULT 15
US-09-142-569-7

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Sequence 7, Application US/09142569
GENERAL INFORMATION:
PATENT NO. 6413735
APPLICANT: Lau, Lester F.
TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESS: Marshall, O'Toole, Gerstein, Murray & Borum
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/142,569
FILING DATE: 02-Apr-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28758/33766
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: "CTGF cDNA coding sequence"
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-142-569-7

Alignment Scores:
Pred. No.: 3,27e-36 Length: 2075
Score: 564.00 Matches: 112
Percent Similarity: 58.58% Conservative: 28
Best Local Similarity: 46.86% Mismatches: 81
Query Match: 39.17% Indels: 18
Gaps: 6

US-10-010-408-2 (1-250) x US-09-142-569-7 (1-2075)
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QY 29 ProCySThrCySProTPrThrPro---ProGlnCySProGlnGlyValProLeuValLeu 47
Db 223 CCGTGGCGGTCCTCCGAGCAGACCGCGCGCGCTGCGCGCGCGCGCTGCTGCTG 282
QY 48 AspGlyCySgLyCySgLyValCySAlaArgLeuGlnGlySerCySAspHisLeu 67
Db 283 GACGGCTGCGGCTGCTGCTGCTGCTGCGCGCAAGCAGCTGGCGTGTGACCGAGCGC 342
QY 68 HisValCySAspProSerGlnGlyLeuValCySglnProGlnGlyValGlyHis 87
Db 343 GACCCCTGCGACCGCAGCAGAGCGCTCTGTGACTTCGCGCTCCCGCGCAACCGCAG 402
QY 88 GlnAlaValCySLeuLeuAspGlnAspArgLySerCySglnValAlaGlnGlyArgTyr 107
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QY      128  PheThrCysIeuProIeuCyssergluAapValArgIeuProseTTPaAPCyPProArg 147
Db      520  GTGGGCGTCATGCTCCCTGTGCAGCATTGACGTTCGTCTGCCAACCCTGACTGCCCTTC 579
QY      148  ProIyAaRgTLeGIuValProGlyIyCsYCsYsPProGluTTPValCyAaapGInglyVal 167
Db      580  CCGAGGAGGGTCAACGTGCGCCGGAAATGCTCCAGAGGTGGGTGTGACAGAG----- 633
QY      168  ThrProAlaIeGIuRgserThrAlaGInglyHISGInIeuSeraIaleu----- 184
Db      634  ---CCCAAGGACCAA-----ACCGGTGTGGGCGCTGCCCTTCGGGGCTTACCGACTGGAA 684
QY      185  -----ValThrProAlaSerAlaAapAlaProCysProAntTPSerThraIa 200
Db      685  GACACGTTTGCGCCCAACCCCAACTGATGATTAGGCAACTGCTCGTGTCCAGACCAAGAG 744
QY      201  TTPeIyProCysSerThrThRCysGlyIeuGlyIleAlaThraRgValSerAaGInIaAm 220
Db      745  TGGAGGCGCTGTCCAAAGACTGTGGAGATGGCACTCCACCCGGGTAAACAATGACAAC 804
QY      221  ArgPheCysGluIeuGluIleGInIaRgAglIeuCysIeuProAaGProCySleuAla 239
Db      805  GCGTCTCGAGCGCTTAAAGAAAGCAAGCGCGCTGTCAAGTACAGCGCTTGGAAGCT 861

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Search completed: May 9, 2004, 15:45:39
Job time : 90 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: May 9, 2004, 15:13:17 ; Search time 385 Seconds
(without alignments)
2941.553 Million cell updates/sec

Title: US-10-010-408-2

Perfect score: 1440
Sequence: 1 MRGSPILHMLATSPFLCLSM.....LCPRPCIAARSHSNNSAP 250

Scoring table:
BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0 %
Maximum Match 100 %

Listing first 45 summaries

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-TRANS=numa40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
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-LONGLOG -DEV TIMOUT=120 -WARN TIMEOUT=30 -THRAD=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2:*
14: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result Query
No. Score Match Length DB ID Description

SUMMARIES

1	1440	100.0	753	14	US-10-010-408-3	Sequence 3, Appl
2	1323	91.9	1708	14	US-10-010-408-1	Sequence 1, Appl
3	1308.5	90.9	1734	15	US-10-010-408-12	Sequence 12, Appl
4	1308.5	90.9	1734	15	US-10-112-267-17	Sequence 17, Appl
5	1308.5	90.9	1734	15	US-10-112-267-18	Sequence 18, Appl
6	1064	73.9	1266	13	US-10-147-493-319	Sequence 319, Appl
7	1064	73.9	1266	13	US-10-145-127-319	Sequence 319, Appl
8	1064	73.9	1266	13	US-10-160-503-319	Sequence 319, Appl
9	1064	73.9	1266	13	US-10-143-118-319	Sequence 319, Appl
10	1064	73.9	1266	13	US-10-144-993-319	Sequence 319, Appl
11	1064	73.9	1266	13	US-10-158-787-319	Sequence 319, Appl
12	1064	73.9	1266	13	US-10-140-024-319	Sequence 319, Appl
13	1064	73.9	1266	13	US-10-140-808-319	Sequence 319, Appl
14	1064	73.9	1266	13	US-10-152-405-319	Sequence 319, Appl
15	1064	73.9	1266	13	US-10-127-8528-319	Sequence 319, Appl
16	1064	73.9	1266	13	US-10-127-9008-319	Sequence 319, Appl
17	1064	73.9	1266	13	US-10-128-6858-319	Sequence 319, Appl
18	1064	73.9	1266	13	US-10-131-8208-319	Sequence 319, Appl
19	1064	73.9	1266	13	US-10-142-886-319	Sequence 319, Appl
20	1064	73.9	1266	13	US-10-146-728-319	Sequence 319, Appl
21	1064	73.9	1266	13	US-10-146-786-319	Sequence 319, Appl
22	1064	73.9	1266	13	US-10-147-499-319	Sequence 319, Appl
23	1064	73.9	1266	13	US-10-157-798-319	Sequence 319, Appl
24	1064	73.9	1266	15	US-10-028-072-319	Sequence 319, Appl
25	1064	73.9	1266	15	US-10-121-049-319	Sequence 319, Appl
26	1064	73.9	1266	15	US-10-123-904-319	Sequence 319, Appl
27	1064	73.9	1266	15	US-10-140-470-319	Sequence 319, Appl
28	1064	73.9	1266	15	US-10-175-746-319	Sequence 319, Appl
29	1064	73.9	1266	15	US-10-176-918-319	Sequence 319, Appl
30	1064	73.9	1266	15	US-10-176-921-319	Sequence 319, Appl
31	1064	73.9	1266	15	US-10-137-865-319	Sequence 319, Appl
32	1064	73.9	1266	15	US-10-140-474-319	Sequence 319, Appl
33	1064	73.9	1266	15	US-10-142-431-319	Sequence 319, Appl
34	1064	73.9	1266	15	US-10-143-114-319	Sequence 319, Appl
35	1064	73.9	1266	15	US-10-140-002-319	Sequence 319, Appl
36	1064	73.9	1266	15	US-10-142-413-319	Sequence 319, Appl
37	1064	73.9	1266	15	US-10-123-263-319	Sequence 319, Appl
38	1064	73.9	1266	15	US-10-142-423-319	Sequence 319, Appl
39	1064	73.9	1266	15	US-10-121-050-319	Sequence 319, Appl
40	1064	73.9	1266	15	US-10-141-755-319	Sequence 319, Appl
41	1064	73.9	1266	15	US-10-143-023-319	Sequence 319, Appl
42	1064	73.9	1266	15	US-10-123-108-319	Sequence 319, Appl
43	1064	73.9	1266	15	US-10-123-236-319	Sequence 319, Appl
44	1064	73.9	1266	15	US-10-123-261-319	Sequence 319, Appl
45	1064	73.9	1266	15	US-10-140-921-319	Sequence 319, Appl

ALIGNMENTS

RESULT 1
US-10-010-408-3
Sequence 3, Application US/10010408
Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castelli, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010,408

US-10-010-408-2 (1-250) x US-10-010-408-1 (1-1708)

QY 1 MetArglySerProLeuIleHisLeuLeuAlaThrSerPheLeuCySLeuLeuSerMet 20
 Db 249 ATGAGGGGACGACCACTGATCATCTTCTGCGCACTTCTCTCTCTCTCTCTCTCTCATG 308
 QY 21 ValCysAlaGlnLeuCySArgThrProCysThrCysProTyrThrProProGlnCysPro 40
 Db 309 GTGTGTCCCAAGCTGTGCGGACACCTGTGATCCTGCTTGGACACACCCAGGTGCGCA 368
 QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu 60
 Db 369 CAGGGGGTACCCCTGGGTGGATGGCTGTGGCTGTGTAAGTGTGACGAGGCTG 428
 QY 61 GlyIuSerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
 Db 429 GGGGAGTCTGCGACCACTGATGCTTGGACCCCGACGAGGCTGTGTTGTCAAGCT 488
 QY 81 GlyAlaGlyProGlyGlyHisGlyAlaValCysLeuLeuAspGlyIuAspAspGlySerCys 100
 Db 489 GGGGCAAGGCTGTGCGGCAATGGGGCTGTGTCTTGTGATGAGATGACGGTACGTG 548
 QY 101 GlnValAsnGlyArgArgTyrLeuAspGlyGlyIuThrPheIuSP-roAsnCySArgValLeu 120
 Db 549 GAGGTGAATGGCCGACAGTACCTGATGAGAGACCTTTAAACCAATTGCGAGGCTCTG 608
 QY 121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGlnAspValArgLeu 140
 Db 609 TGCGGCTGTGATGACGGGTGTTCACTGCTGCGGTGTGCACTGAGATGATGCGGCTG 668
 QY 141 ProSerTyrAspCysProArgProIuArgGlyLeuValProGlyIuSP-cysProGlyIu 160
 Db 669 CCCAGCTGGGACTGCCACCGCCCAAGAGATACAGAGGCGCAGAGAAAGTGTGCCCGAG 728
 QY 161 TyrValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
 Db 729 TGGGTATGTGACCGAGGATGACACCGCGATCCAGCGGCTCCAGCGGCGAAGGACCA 788
 QY 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTyrSerThrAla 200
 Db 789 CTTTCTGCGCTTGTCACTCTGCTGCTGTGATGCTCTTCTTCAAAATGGAGACAGCC 848
 QY 201 TyrGlyProCysSerThrThrCysGlyLeuGlyTyrIleAlaThrArgValSerAsnGlnAsn 220
 Db 849 TGGGGCCCTGCTCAACCACTGTGGGCTGGGATAGCCACCGAGTGTCCAAACCAAGAC 908
 QY 221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
 Db 909 CGATTCTGCAACTGGAGATCAACGCGCTGTGTCTGCCAGACCCCTGCTGGCAGCC 968
 QY 241 ArgSerHisSerSerTyrAsnSerAlaPhe 250
 Db 969 AGGAGCCACAGCTCATGGAAACAGTCTTTC 998
 RESULT 3
 US-10-010-408-12
 ; Sequence 12, Application US/10010408
 ; Publication No. US20020165185A1
 GENERAL INFORMATION:
 APPLICANT: John J. Castellet, Jr.
 TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CCN-Like Molecules
 and Uses Therefor
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/010,408
 FILING DATE: 07-Dec-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/044,273
 FILING DATE: March 19, 1998
 APPLICATION NUMBER: <Unknown>
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragouras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: MB1-004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 742-4214
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 681 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..681
 SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 US-10-010-408-12
 US-10-010-408-2 (1-250) x US-10-010-408-12 (1-681)
 Alignment Scores:
 Pred. No.: 9,26e-120 Length: 681
 Score: 1323.00 Matches: 227
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 91.88% Indels: 0
 DB: 14 Gaps: 0
 QY 24 GlnLeuCySArgThrProCysThrCysProTyrThrProProGlnCysProGlnGlyVal 43
 Db 1 CAGCTGTGCGGACCGCTGTGATCTGCTTGGACACACCCAGTCCACAGGGGATG 60
 QY 44 ProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeuGlyIuSer 63
 Db 61 CCCTGTGCTGATGAGCTGTGCTGTGCTGTGTAAGTGTGTGACGAGAGCTGGGGAGTCC 120
 QY 64 CysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnProGlyAlaGly 83
 Db 121 TGGGACCACTGATGCTGTGCGACCCGACGAGGCTGTGTTGTTCAGCTGGGCGAGCC 180
 QY 84 ProGlyGlyHisGlyAlaValCysLeuLeuAspGlnAspAspGlySerCysGlnValAsn 103
 Db 181 CTTGGCGGCGCATGGGGCTGTGTGCTTGTGATGAGATACCGTACCTGTGAGTGAAT 240
 QY 241 GGGCGGAGGTACCTGATGATGAGAGACCTTTAAACCAATGGCAGGGTCTGTGCGCTGT 300
 QY 124 AspAspGlyGlyPheThrCysLeuProLeuCysSerGlnAspValArgLeuProSerTyr 143
 Db 301 GATGACGCTGTGCTCACTGCTGCGCTGTGTGACGTAGATGTGCGGCTGCCAGCTGG 360
 QY 144 AspCysProArgProIuArgIleGlnValProGlyIuSP-cysCysProGlnTyrValCys 163
 Db 361 GACTGCCACAGCCCGCAAGAGATACAGTCCAGAAAGTGTGCGCCGAGTGGGTATGT 420
 QY 164 AspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGlnLeuSerAla 183
 Db 421 GACCAGGAGTGTGACACCGGCGATCCAGCGCTCCACGCGGAGAGACCACTTCTTGTGCC 480

QY	184	LeuValThrProIaSerIaSerIaAaPaaProCysProAsnTPSerThaIaTrpGlyPro	203
Db	481	CTTGCACTCTCTCCCTCTGCTGATAGCTCTTTTCMAATTGGAGCAGCAGCTTGGAGCCCC	540
QY	204	CysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsnArgPheCys	223
Db	541	TGCTCAACCACTGTGGGCTGGGCGAAGCACCACCGAGTGCACAGAACCGCATTTGCG	600
QY	224	GlnLeuGlnIleGlnArgArgLeuGlyIleuPheCaaArgProCysIleuAlaAlaArgSerHis	243
Db	601	CAACTGGAGATCCAAAGCGCGCTGTGTCTGCCAGACCTGTCTGGCAGCCAGAGCCAC	660
QY	244	SerSerTrpAsnSerAlaPhe	250
Db	661	AGCTCATGGAACAGTGCCTTC	681

```

RESULT 4
US-10-112-267-17
Sequence 17, Application US/10112267
Publication No. US2003068678A1
GENERAL INFORMATION:
APPLICANT: Bocstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pernica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/10/112,267
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 17
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-10-112-267-17

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[illegible]

US-10-010-408-2 (1-250) X US-10-112-267-17 (1-1734)

QY 1 MetArgGlySerProLeuIleHisIleLeuAlaIleHisSerPheLeuCybLeuLeuSerMet 20
::: :::
Db 257 ATGAGGGGGAACCCATCGATCCATCTCTGGCCATTTCTCTCTCTGCAATTCCTCAATG 316
QY 21 ValCysAlaGlnLeuGlySarGthrProCysThrCysProIleThrPheProGlnCysPro 40
::: :::
Db 317 GGTATTCCACGATGGCCACGACACCTGTGGCTGTCTGTGAACACCAACCCCACTGCCA 376
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysIleValCysAlaArgArgLeu 60
::: :::
Db 377 CCGGGGGATCCCTGTGCTGAGTGGCTGTGGCTGCTGTGATGATGTGTGACGAGGCTG 438

OY	61	GLPGIuSerCYsaAPPHIaLeuNH: eValCYsaAPProSerGInGIYleuValCYsGInPro	80
Db	437	GGGAGtCTCTCGACCACTCGATGTCtTCGACCCCAAGGAGGCTGGTtTTCAGCCT	496
OY	81	GIYAlaGIYProGIYGIYH: sGIYAlaValCYsLeuLeuAspGIYAspAspGIYSerCYs	100
Db	497	GGGGAGAGGCCCAAGtGGCCGtGGtGGtCTGTtGGtCCTTCGAAGAGATGACGGAGtCTGT	556
OY	101	GIuValAsnGIYH: gAtGTyTLeuAspGIYGIYHtRheLYsProAsnCYsAtRyValLeu	120
Db	557	GAGGTGAATGGCCCGACGGTACTCGATGGGGAGACCTTAAACCAATTGACAGGGtTTTG	616
OY	121	CysAtRGCYsaAPAspGIYGIYPhenThrCYsLeuProLeuCYsSerGIYAspValATyLeu	140
Db	617	TGCGGCTGTGAAGAGGTGGtTTTACtCGtCGtCGtCGtGACGTGAGGAtGTGGGGCTG	676
OY	141	ProSerTTPAspCYsProAtRProLYsaRtIleGInValProGIYLYsCYsCYsProGIn	160
Db	677	CCGAGtCTGGACtGGCCCAAGCCCGCCAGAGAAATACAGGtGCCAGAAAGtGGtGGCCCGAG	736
OY	161	TTPValCYsaAPGInGIYAl---ThrProAlIleGInAsSerThrAlaGInGIYH: s	179
Db	737	TGGGTGTGTGACCAAGGACGATGATGACAGCCGGGAAATCCAGCCCTCTCAGACCCAAAGGACAC	796
OY	180	GInLeuSerAlaLeuValThrProAlaSerAlaAspAlaProCYsProAsnTPSerThr	199
Db	797	CAACTTCTGGCCCTGTGACtCTCTGACtCTGCCAGtGGCCCTCTGTCTCCAACTGGAGACAC	856
OY	200	AlaTTPGIYProCYsSerThrThrCYsGIYleuGIYIleAlaThrArYAlaSerAsnGIn	219
Db	857	GCCTGGGGCCCTGTCTCAACCACTGTGGGTGGGCATGTGCCAACCCGAGATTCACCAACG	916
OY	220	AsnAtRPhICySGInLeuGIYIleGInArGaGLeuCYsLeuProArProCYsIleuAla	239
Db	917	AAcCATTTCTGCAACTGGAGATTCAGAGCTCCGCTGTCTTCACGAGCCTGGCCTGGCA	976
OY	240	AlaArGSerH: IsAsSerSerTTPAsnSerAlaPhe	250
Db	977	TCGAGAGCCACGGCTCAATGAGAACAGtGGCTTC	1009

RESULT 5
US-10-112-267-18/c
; Sequence 18, Application US/10112267
; Publication No. US20030068678A1
GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pernicka, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/10/112,267
; CURRENT FILING DATE: 2002-03-27

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? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145
? PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
? PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
? PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
? PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
? NUMBER OF SEQ ID NOS: 156
? SEQ ID NO 18
? LENGTH: 1734
? TYPE: DNA
? ORGANISM: Mus musculus
US-10-112-267-18

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Alignment Scores:

Pred. No.:	6,99e-118	length:	173
Score:	1308.5	Matches:	226
Percent Similarity:	93.63%	Conservative:	9
Best Local Similarity:	90.04	Mismatches:	15
Query Match:	90.87	Indels:	1
DB:	15	Gaps:	1

US-10-010-408-2 (1-250) X US-10-112-267-18 (1-1734)

QY	MeatKrgIysrProLeuI1H1sleuLeuAlaThrSerPheLeuCyseLeuSerSet	20
Db	1478 ATGAGGGGCAACCCACTGATCCATCTTTGGCCATTTCTCTCTGCAATTCCTCAATG	14139
QY	21 ValCysAlaGlnLeuCySarGThrProCysThrCysProTrpThrProProGlnCysPro	40
Db	1418 GTGATTTCCAGCTGTGTGCCAGAACCCGTGCGCTGTCTTGAGAACCCCAAGTGCCCA	13594
QY	41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu	60
Db	1358 CCGGGGGGTACCCCTGTGCTGATGCGCTGTGTGGCTGTGTCAGAGTGTGCACGAGGGCTG	12994
QY	61 GlyGlnSerCysAspHisLeuH1sValCysAspProSerGlnGlyLeuValCysGlnPro	80
Db	1298 GGGAGTCTGTGACACCTGTGATGTGTGCACCCCAACAGGGCTGTGTGTGTAGCTT	12338
QY	81 GlyAlaGlyProGlnGlyH1sGlyAlaValCysLeuLeuAspGlnAspAspGlySerCys	100
Db	1238 GGGGAGAGCCCCAGTGGCCGTGTGTCTGTGTGCTCTTCGAAAGAGATGAGCGGAGCTGT	1179
QY	101 GlnValAsnGlyArgArgTyrLeuAspGlyGlnThrPheLysProAsnCysArgValLeu	120
Db	1178 GAGGTGAATGAGCCGACGCTACTGGATGGGAGAGCCTTTAAACCAATTGGCAGGGTTTGG	11194
QY	121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGlnAspValArgLeu	140
Db	1118 TGCGCGTGTGATGACGTGGTTTCCCTGCGCGCTGTGTGAGTGAAGAGATGTGGCGCTG	10554
QY	141 ProSerTrpAspCysProArgProLysArgIleGlnValProGlyLysCysGlyProGln	160
Db	1058 CCCAGCTGGAGCTGCCCAACGCCCCAGAGAGATACAGTGTCAGAGAAAGTGTGCCCGAG	999
QY	161 TrpValCysAspGlnGlyVal--ThrProAlaIleGlnArgSerThrAlaGlnGlyHis	179
Db	998 TGGGTGTGTACCAAGCAGTATGTAGTCAGCGCGGAATCCAGACCTCTTCAGCCCAAGAGAC	939
QY	180 GlnLeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThr	199
Db	938 CAACCTTTGTGCCCTTGTCACTCCGTGCATCTGCCATGTGCCATGGCCCTGTCCAAATCGAGGACA	879
QY	200 AlaTrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGln	219
Db	878 GCTGGAGGCCCTGTCTCAACCACTGTGGGTGGGCAATGCCACCCGAGTATCCAAACAG	819
QY	220 AsnArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAla	239
Db	818 AACCGATTCTGCCAATCGAGATCCAGAGTGGCGCTGTCTGTGTGCAGACCTGTGCTGGCA	759
QY	240 AlaArgSerHisSerSerTrpAsnSerAlaPhe	250
Db	758 TCCAGAGCCACGCGTCAATGAGAACAGTGCCTTC	726

RESULT 6
US-10-147-493-319

Sequence 319, Application US/10147493
Publication No. US20040029217A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeGeorge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen

```

APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C345
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-147-493-319

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Alignment Scores:	
Pred. No.:	3,17e-94
Score:	1064.00
Percent Similarity:	80.40%
Best Local Similarity:	73.60%
Query Match:	77.85%
DB:	13
Length:	1266
Matches:	184
Conservative:	170
Mismatches:	49
Indels:	0
Gaps:	0

US-10-010-408-2 (1-250) X US-10-147-493-319 (1-1266)

QY 1 MetArgIySerProLeuIleIleIstLeuIaIaThrSerPheLeuCybLeuLeuSerMet 20
Db 10 ATAGAAGGACACCCAGAACCCACTCTGGCTTCTCCCTCCTTGCTGCTCTCAAG 69
QY 21 ValCysAlaGlnLeuCybAspThrProCysThrCysProTyrThrProProGlnCybPro 40
Db 70 GTGCGTAACCAAGCTGGGCCGACCACTAGTACTGCTCCCTGGACCACTCCCGATGCCCCG 122
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu 60
Db 130 CTGGGAGTACCCCTGGTGTGATGATGCTGTGGCTGTCCGAGGATGTGCAGCGCGCTG 188
QY 61 GlnGlySerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db 190 GGGAGACCCCTGGACCACTCCACTCTGCCAGCGCACGACGAGGCGCTGTGCAAGCCC 242
QY 81 GlnValGlyProGlyGlyHisGlyValAlaValCysLeuLeuAspGlnAspAspGlySerCys 100
Db 250 GGGGACAGAACCGGATGGCCGGGGGGCCCTGTGCTCTTGACAGAGAGACGACAGCAGCTGT 302
QY 101 GlnValAlaSerGlyArgArgIlyrLeuAspGlyGlnThrPheIlyrProAsnCysArgValLeu 120
Db 310 GAGGTAAACGGCCGCTGTATCGGAGAGGAGACCTTCCAGCCCCACTGCAGCATCCGC 362
QY 121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCybSerGlnAspValArgLeu 140
Db 370 TGCCTGCTGGAGAACGGCGGCTTCACTCGCGCGCTGTCAAGAGAGATGTCCGCTG 422
QY 141 ProSerTyrAspCysProArgIlyrProIlyrValArgGlnValProGlyIlyrCysCysProGln 160
Db 430 CCCAGCTGGGACGCCCCCACCAGAGGAGGCTGAGGCTGGGAGAACTGTCCCTGAG 488
QY 161 ThrValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
Db 490 TGGGTGTGGCCCAAGAGAGGGGACACTGGGAGACCAAGCCCCCTTCCAGGCCCAAGACCCAG 542
QY 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTyrSerThrAla 200

```

Db      550 TTTTGTGACCTTGTCTTCTTCCCTGCGCCCTGATGTCCCTCCGACGAGATGAGACAGCGCC 609
Qy      201 TTPGLYProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db      610 TGGGAGACCTGTGTGACCACTGTGGCTGGGACATGCGCACCGGGTGTCCAAACAGAAC 669
Qy      221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
Db      670 CGCTTCTGCGCAGTGGAGACCCAGCGCGCTGTGCTCCAGGCTCTGCCACCTTCC 729
Qy      241 ArgSerHisSerSerThrAsnSerAlaPhe 250
Db      730 AGGGGTGCGAGTCCACAAACAGTGCCTTC 759

RESULT 7
US-10-145-127-319
; Sequence 319, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-319

Alignment Scores:
Pred. No.: 3,17e-94 Length: 1266
Score: 1064.00 Matches: 184
Percent Similarity: 80.40% Conservat: 17
Best Local Similarity: 73.60% Mismatches: 49
Query Match: 73.89% Indels: 0
Gaps: 0

US-10-010-408-2 (1-250) x US-10-145-127-319 (1-1266)
Qy      1 MetArgGlySerProLeuIleHisLeuLeuAlaThrSerPheLeuCysLeuLeuSerMet 20
Db      10 ATAGAGGACACACCGAAGACCCACTTCTGCTTCTCTCTCTGCGCTCCCTCAAG 69
Qy      21 ValCysAlaGlnLeuCysArgThrProCysGlyThrProThrProProGlnCysPro 40
Db      70 GTGCGTACCCAGCTGTGCGCGACACATGTACTGCGCCCTGCGCACCTCCGATGCGCG 129
Qy      41 GlnGlyValProLeuValLeuAspGlyCysGlyCysAlaArgValCysAlaArgLeu 60
Db      130 CTGGAGTACCTCTGGCTGTGAGTGGCTGTGCTGCTGCGGTATGTGACGGCGCTG 189
Qy      61 GlyGlySerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80

```

```

Db      190 GGGAGGCTTGCACCACTCCAGTCTGCGACGCGCAGGAGGCTGTGTCAGACCC 249
Qy      81 GlyAlaGlyProGlyGlyHisGlyAlaValCysLeuLeuAspGlyAspAspGlySerCys 100
Db      250 GGGGACAGACCCGCTGCGCGCGCGCTGTGCTGTGCTGTGCGAGAGAGACAGAGCTGT 309
Qy      101 GluValAsnGlyArgArgGlyLeuAspGlyGlnThrPheHisProAsnCysArgValLeu 120
Db      310 GAGGTGAACGCGCCCTGTATCGGAAAGGGAGACCTTCCAGCCCACTGACGATCGCG 369
Qy      121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGlnAspValArgLeu 140
Db      370 TGCGGCGCGAGAGACGCGGCTTCACTGCGTCCGCTGTGACAGAGATGTGCGCTG 429
Qy      141 ProSerThrAspCysProArgProGlyArgGlnIleGlnValProGlyLysCysProGln 160
Db      430 CCGAGCTGGAGCTGCGCCCAACCCAGAGAGGTGAGGTCTGGGCGAAGTGTGCGCTGAG 489
Qy      161 TrpValCysAspGlnGlyValThrProAlaSerAlaAspAlaProCysProAsnThrAla 180
Db      490 TGGGTGCGCGACAGAGAGGGAGCTGGGAGCCAGGCCCTTCCAGCCCAAGAGACCCAG 549
Qy      181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnThrAla 200
Db      550 TTTTGTGACCTTGTCTTCCCTGCGCCCTGATGTCCCTGCGCAGATGAGACGCGCC 609
Qy      201 TTPGLYProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db      610 TGGGAGACCTGTGTGACCACTGTGGCTGGGACATGGCCACCGGGTGTCCAAACAGAAC 669
Qy      221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
Db      670 CGCTTCTGCGCAGTGGAGACCCAGCGCGCTGTGCTCCAGGCTCTGCCACCTTCC 729
Qy      241 ArgSerHisSerSerThrAsnSerAlaPhe 250
Db      730 AGGGGTGCGAGTCCACAAACAGTGCCTTC 759

RESULT 8
US-10-160-503-319
; Sequence 319, Application US/10160503
; Publication No. US20040033559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C446
; CURRENT APPLICATION NUMBER: US/10/160,503
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-160-503-319

Alignment Scores:

```

Pred. No.: 3.17e-94 Length: 1266
 Score: 1064.00 Matches: 184
 Percent Similarity: 80.40% Conservative: 17
 Best Local Similarity: 73.60% Mismatches: 49
 Query Match: 73.89% Indels: 0
 DB: 13 Gaps: 0

US-10-010-408-2 (1-250) x US-10-160-503-319 (1-1266)

```

Qy 1 MetArgIySerProLeuLleHISLeuLeuAlaThrSerPheLeuCySLeuLeuSerMet 20
Db 10 ATGAGAGGACACACGAGAGACCCACCTCTGAGCTTCTCCCTCTGCTCTCTCAAG 69
Qy 21 ValCysAlaGlnLeuCySArgThrProCysThrCysProTPrThrProProGlnCySPro 40
Db 70 GTGGGTACCCAGCTGTGGCCGACACCATGTAAGTCCGCTGGCCACCTCCCGATGCGCG 129
Qy 41 GlnGlyValProLeuValLeuAspGlyCySgLyCySgLySValCySAlaArgArgLeu 60
Db 130 CTGGAGATACCCCTGTGGCTGTGATGGCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTG 189
Qy 61 GlyGlySerCysAspAspHisLeuHISValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db 190 GGGAGAGCCCTGCAACCACTCAAGCTTGGCAAGCCGACGAGGCTGTGTGCTGCAAGCC 249
Qy 81 GlyAlaGlyProGlnGlyHISGlyAlaValCysLeuLeuAspGlnAspAspGlySerCys 100
Db 250 GGGGACAGACCCGGGTGGCCGGGGGGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309
Qy 101 GlnValAlaGlnGlyArgArgTyrLeuAspGlyGlnThrPheLeuProAsnCySArgValLeu 120
Db 310 GAGGTGAACGGCCGCTGTATCGGGAGAGGAGACCTTCCAGCCCTGACGATCGATCGC 369
Qy 121 CysArgCysAspAspAspGlyGlyPheThrCysLeuProLeuCySArgGlnAspValArgLeu 140
Db 370 TGCGGTGCGAGAGAGGGGAGGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 429
Qy 141 ProSerTPrAspCysProArgProLyAspArgLleGlnValProGlyLyCySAspProGln 160
Db 430 CCCAGCTGGAGACTGGCCCCCACCACCGAGGGGTCCGAGGCTCGGGCAAGTGTGCTGAG 489
Qy 161 TrpValCysAspGlnGlyValThrProAlaLleGlnArgSerThrAlaGlnGlyHISGln 180
Db 490 TGGGTGTGGCGCCAAAGAGGGGAGACTGGGAGACCCAGCCCTTCCAGCCCAAGAGCCGAG 549
Qy 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTPrSerThrAla 200
Db 550 TTTTCTGGCTGTGTCTTCTCCCTGCCCCCTGTGTCTGCTGCTGCTGCTGCTGCTGCTG 609
Qy 201 TrpGlyProCysSerThrThrCysGlyLeuGlyLleAlaThrArgValSerAsnGlnAsn 220
Db 610 TGGGAGACCTGCTCGACCACTGTGGGTGGGCAATGGCCACCCGGGTGTCCAAACCAAGAC 669
Qy 221 ArgPheCysGlnLeuGlnLleGlnArgArgLeuCySLeuProArgProCysLeuAlaAla 240
Db 670 CGCTTGTGGCGAATGGAGACCCAGCGCTGTGGCTGTGCTGCTGCTGCTGCTGCTGCTG 729
Qy 241 ArgSerHisSerSerTPrAsnSerAlaPhe 250
Db 730 AGGGGTGGCACTCCACAAACAGTGTCTTC 759

```

RESULT 9
 US-10-143-118-319

; Sequence 319, Application US/10143118
 ; Publication No. US20040038335A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.

```

; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; PRIORITY FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-143-118-319

```

Alignment Scores:

Pred. No.: 3.17e-94 Length: 1266
 Score: 1064.00 Matches: 184
 Percent Similarity: 80.40% Conservative: 17
 Best Local Similarity: 73.60% Mismatches: 49
 Query Match: 73.89% Indels: 0
 DB: 13 Gaps: 0

US-10-010-408-2 (1-250) x US-10-143-118-319 (1-1266)

```

Qy 1 MetArgIySerProLeuLleHISLeuLeuAlaThrSerPheLeuCySLeuLeuSerMet 20
Db 10 ATGAGAGGACACACGAGAGACCCACCTCTGAGCTTCTCCCTCTGCTCTCTCAAG 69
Qy 21 ValCysAlaGlnLeuCySArgThrProCysThrCysProTPrThrProProGlnCySPro 40
Db 70 GTGGGTACCCAGCTGTGGCCGACACCATGTAAGTCCGCTGGCCACCTCCCGATGCGCG 129
Qy 41 GlnGlyValProLeuValLeuAspGlyCySgLyCySgLySValCysAlaArgArgLeu 60
Db 130 CTGGAGATACCCCTGTGGGTGGGAGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 189
Qy 61 GlyGlySerCysAspAspHisLeuHISValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db 190 GGGAGAGCCCTGCAACCACTCAAGCTTGGCAAGCCGACGAGGCTGTGTGCTGCAAGCC 249
Qy 81 GlyAlaGlyProGlnGlyHISGlyAlaValCysLeuLeuAspGlnAspAspGlySerCys 100
Db 250 GGGGACAGACCCGGGTGGCCGGGGGGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309
Qy 101 GlnValAlaGlnGlyArgArgTyrLeuAspGlyGlnThrPheLeuProAsnCySArgValLeu 120
Db 310 GAGGTGAACGGCCGCTGTATCGGGAGAGGAGACCTTCCAGCCCAAGAGATGTGCGGCTG 369
Qy 121 CysArgCysAspAspAspGlyGlyPheThrCysLeuProLeuCySArgGlnAspValArgLeu 140
Db 370 TGCGGTGCGAGAGAGGGGAGGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 429
Qy 141 ProSerTPrAspCysProArgProLyAspArgLleGlnValProGlyLyCySAspProGln 160
Db 430 CCCAGCTGGAGACTGGCCCCCACCACCGAGGGGTCCGAGGCTGTGCTGCTGCTGCTGAG 489
Qy 161 TrpValCysAspGlnGlyValThrProAlaLleGlnArgSerThrAlaGlnGlyHISGln 180
Db 490 TGGGTGTGGCGAATGGAGACCCAGCGCTGTGGCTGTGCTGCTGCTGCTGCTGCTGCTG 549
Qy 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTPrSerThrAla 200
Db 550 TTTTCTGGCTGTGTCTTCTCCCTGCCCCCTGTGTCTGCTGCTGCTGCTGCTGCTGCTG 609

```



```

; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-787-319

```

```

Alignment Scores:
Pred. No.: 3,17e-94      Length: 1266
Score: 1064.00          Matches: 184
Percent Similarity: 80.40%      Conservative: 17
Best Local Similarity: 73.60%      Mismatches: 49
Query Match: 73.89%      Indels: 0
DB: 13                  Gaps: 0

```

US-10-010-408-2 (1-250) x US-10-158-787-319 (1-1266)

```

QY 1 MetArgGlySerProLeuIleHisLeuLeuAlaThrSerPheLeuCySLeuLeuSerMet 20
DB 10 ATGAGAGGACACACGAGAGACCCACCTCTGCGCTTCTCCCTCTGCTCTCTCTCAAG 69
QY 21 ValCysAlaGlnLeuCySArgThrProCysThrProCysProThrProProGlnCySPro 40
DB 70 GTGGGTACCCAGCTGTGCGCCAGCACCATGATCTGCGCTTGGCCCACTCCCGATGCGCG 129
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu 60
DB 130 CTGGGAGTACCCCTGCTGCTGATGCTGTGCTGCTGCTGCGGATGATGACGCGGCTG 189
QY 61 GlyIleSerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
DB 190 GGGAGAGCCCTGCAACCACTCCAGCTGCGAGCCGAGCCGAGGCTGTGCTGCGAGCCC 249
QY 81 GlyAlaGlyProGlyGlyHisGlyAlaValCysLeuLeuAspGlnAspAspGlySerCys 100
DB 250 GGGGACAGACCCGATGCGCGGGGCGGCTGTGCTTGTGCGAGAGAGACGACGAGCTGT 309
QY 101 GluValAsnGlyArgArgTyrLeuAspGlyGlnThrPheLeuProAsnCysArgValLeu 120
DB 310 GAGGTGAACGCGCTGTATCGGGAAGGGAGACCTTCCAGCCCACTGACGATCGCGC 369
QY 121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCySergIuAspValArgLeu 140
DB 370 TGCGGCTGCAAGAGCGGCGCTTCACTGCGCGCTGTGCGAGCGAGATGTCGCGCTG 429
QY 141 ProSerTrpAspCysProArgProGlyArgIleGlnValProGlyValCysProGln 160
DB 430 CCCAGCTGGAGCTGCGCGCGCGCGAGGAGGTGAGGCTGCGGCGAGAGTGTGCGCGTGA 489
QY 161 TrpValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
DB 490 TGGGTGCGGCGCAAGAGAGGGGAGCTGGAGACCCAGCCCTTCCAGCCCAAGAGAGCCAG 549
QY 181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
DB 550 TTTTCTGCGCTTGTCTCTCTGCGCGCGCTGTGCTGCTGCGCGAGATGAGACGCGCC 609
QY 201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
DB 610 TGGGAGACCTGCTGACCACTGAGGCTGGGAGTGGCATGGCACCGGGTGTCCAAACAGAAC 669
QY 221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCySLeuProArgProCySLeuAlaAla 240

```

```

DB 670 CGCTTGGCGGACTGGAGAGACCGCGGCTGTGCTGTGCGAGCGCTGCGCACCTGCC 729
QY 241 ArgSerHisSerSerTrpAsnSerAlaPhe 250
DB 730 AGGGTGTGCGAGTGTCCACAAACAGTGTGCTTC 759

```

RESULT 12

US-10-140-024-319
Sequence 319, Application US/10140024
Publication No. US20040058424A1

GENERAL INFORMATION:

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tuman, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C69
; CURRENT APPLICATION NUMBER: US/10/140,024
; PRIOR FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-024-319

```

Alignment Scores:

```

Pred. No.: 3,17e-94      Length: 1266
Score: 1064.00          Matches: 184
Percent Similarity: 80.40%      Conservative: 17
Best Local Similarity: 73.60%      Mismatches: 49
Query Match: 73.89%      Indels: 0
DB: 13                  Gaps: 0

```

US-10-010-408-2 (1-250) x US-10-140-024-319 (1-1266)

```

QY 1 MetArgGlySerProLeuIleHisLeuLeuAlaThrSerPheLeuCySLeuLeuSerMet 20
DB 10 ATGAGAGGACACACGAGAGACCCACCTCTGCGCTTCTCCCTCTGCTCTCTCTCAAG 69
QY 21 ValCysAlaGlnLeuCySArgThrProCysThrProCysProThrProProGlnCySPro 40
DB 70 GTGGGTACCCAGCTGTGCGCCAGCACCATGATCTGCGCTTGGCCCACTCCCGATGCGCG 129
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu 60
DB 130 CTGGGAGTACCCCTGCTGCTGATGCTGTGCTGCTGCTGCGGATGATGACGCGGCTG 189
QY 61 GlyIleSerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
DB 190 GGGAGAGCCCTGCAACCACTCCAGCTGCGAGCCGAGCCGAGGCTGTGCTGCGAGCCC 249
QY 81 GlyAlaGlyProGlyGlyHisGlyAlaValCysLeuLeuAspGlnAspAspGlySerCys 100
DB 250 GGGGACAGACCCGATGCGCGGGGCGGCTGTGCTTGTGCGAGAGAGACGAGAGCTGT 309
QY 101 GluValAsnGlyArgArgTyrLeuAspGlyGlnThrPheLeuProAsnCysArgValLeu 120

```

```

Db      310 GAGGTGAACGGCCGCTTATCGGAGAGGAGACCTTCCAGCCCTGACGATCCGCC 369
Qy      121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGluAspValArgLeu 140
Db      370 TCCCGCTGGAGGAGGAGGAGGCTTACCTGCGCGCGCTGTGAGGAGAGATGTGGGCTG 429
Qy      141 ProSerTPAspCysProArgProLysArgIleGlnValProGlyLysCysCysProGlu 160
Db      430 CCCACTGGGACTGCCCCACCCAGAGAGGCTGAGGTCTGGGAGATGTGCTGCCCTAG 489
Qy      161 TrpValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
Db      490 TGGGTGTGGGGCCAGAGAGGAGGAGCTGGGAGACCCCTTCCAGCCCAAGAGACCCAG 549
Qy      181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
Db      550 TTTTGTGGCTGTGCTCTCCCTGCCCCCTGGTGTGCTCCCTGCCAGATGGAGCAGCGCC 609
Qy      201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db      610 TGGGGACCTGTGTCACACACCTGTGGGCTGGGCAATGACACCGGGGTGTCCAAACCAAGAC 669
Qy      221 ArgPheCysGlnLeuGluIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
Db      670 CGCTTCTGGCCAGCTGAGAGCCAGCGCCGCTGTGCTGTCCAGGCGCTGCCACCTTCC 729
Qy      241 ArgSerHisSerSerTrpAsnSerAlaPhe 250
Db      730 AGGGGTGCGAGTCCACAAACAGTGCCTTC 759

```

RESULT 13

US-10-140-808-319

Sequence 319, Application US/10140808

Publication No. US20030017563A1

GENERAL INFORMATION:

```

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C182
CURRENT APPLICATION NUMBER: US/10/140,808
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-140-808-319

```

Alignment Scores:

```

Pred. No.: 3,17e-94
Score: 1064.00
Percent Similarity: 80.40%
Best Local Similarity: 73.60%
Query Match: 73.89%
DB: 13

```

```

Length: 1266
Matches: 184
Conservative: 17
Mismatch: 49
Indels: 0
Gaps: 0

```

US-10-010-408-2 (1-250) x US-10-140-808-319 (1-1266)

```

Qy      1 MetArgIleSerProLeuNullEHisLeuLeuAlaThrSerPheLeuCysLeuLeuSerMet 20
Db      10 ATGAGAGGACACACGAGAGAGACCCACTCTGAGCTTCTCCCTCTGCTCTCTCTCAAG 69
Qy      21 ValCysAlaGlnLeuCysArgThrProCysThrCysProTrpThrProProGlnCysPro 40
Db      70 GTGGTACCCAGCTGTGTCCGACACATGTAACCTGCCCCCTGGCCACCTCCCCAGATGCCG 129
Qy      41 GlnGlyValProLeuValLeuAspGlyCysGlyCysCysValCysAlaArgArgLeu 60
Db      130 CTGGAGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 189
Qy      61 GlyIleSerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db      190 GGGAGCCCTGCGACCAACTCCAGTCTGCGACACCCAGAGGCGCTGTGTGTGTGTGTGTGT 249
Qy      81 GlyValArgIleProGlyGlyHisGlyValAlaCysLeuLeuAspGluAspAspGlySerCys 100
Db      250 GGGGAGAGACCCGAGTGTGCGGAGGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 309
Qy      101 GluValAsnGlyArgArgTyrLeuAspGlyGlyIleThrPheLysProAsnCysArgValLeu 120
Db      310 GAGGTGAACGGCCGCTTATCGGAGAGGAGACCTTCCAGCCCTGACGATCCGCC 369
Qy      121 CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGluAspValArgLeu 140
Db      370 TCCCGCTGGAGGAGGAGGAGGCTTACCTGCGCGCGCTGTGAGGAGAGATGTGGGCTG 429
Qy      141 ProSerTPAspCysProArgProLysArgIleGlnValProGlyLysCysCysProGlu 160
Db      430 CCCACTGGGACTGCCCCACCCAGAGAGGCTGAGGTCTGGGAGATGTGCTGCCCTAG 489
Qy      161 TrpValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
Db      490 TGGGTGTGGGGCCAGAGAGGAGGAGCTGGGAGACCCCTTCCAGCCCAAGAGACCCAG 549
Qy      181 LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
Db      550 TTTTGTGGCTGTGCTCTCCCTGCCCCCTGGTGTGCTCCCTGCCAGATGGAGCAGCGCC 609
Qy      201 TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db      610 TGGGGACCTGTGTCACACACCTGTGGGCTGGGCAATGACACCGGGGTGTCCAAACCAAGAC 669
Qy      221 ArgPheCysGlnLeuGluIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
Db      670 CGCTTCTGGCCAGCTGAGAGCCAGCGCGCTGTGCTGTCCAGGCGCTGCCACCTTCC 729
Qy      241 ArgSerHisSerSerTrpAsnSerAlaPhe 250
Db      730 AGGGGTGCGAGTCCACAAACAGTGCCTTC 759

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RESULT 14

US-10-152-405-319

Sequence 319, Application US/10152405

Publication No. US20030211571A1

GENERAL INFORMATION:

```

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

```

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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C9383
; CURRENT APPLICATION NUMBER: US/10/152,405
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-152-405-319

Alignment Scores:
Pred. No.: 3,17e-94 Length: 1266
Score: 1064.00 Matches: 184
Percent Similarity: 80.40% Conservative: 17
Best Local Similarity: 73.60% Mismatches: 49
Query Match: 73.89% Indels: 0
DB: 13 Gaps: 0

US-10-010-408-2 (1-250) x US-10-152-405-319 (1-1266)
QY 1 MetArgGlySerProLeuIleHisLeuLeuAlaThrSerPheLeuCysLeuLeuSerMet 20
Db 10 ATGAGGAGCACACGGAAGACCACCTCTGCGCTTCCCTCCCTGCTCCTCCTCAAG 69
QY 21 ValCysAlaGlnLeuCysArgThrProGlyThrProGlyThrProGlyThrProGlyThrPro 40
Db 70 GTGGTACCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 129
QY 41 GlnGlyValProLeuValLeuAspGlyCysGlyCysValValCysAlaArgArgLeu 60
Db 130 CTGGAGAGTACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 189
QY 61 GlyGlySerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db 190 GGGAGGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 249
QY 81 GlyValaGlyProGlyGlyHisGlyValaValCysLeuLeuAspGlyLeuAspArgGlySerCys 100
Db 250 GGGGACAGACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309
QY 101 GlnValaGlnGlyArgGlyLeuAspGlyGlyLeuThrPheLeuProAsnGlyArgValLeu 120
Db 310 GAGGTGAACGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 369
QY 121 CysArgCysAspAspArgGlyGlyPheThrCysLeuProLeuCysSerGlyLeuValaArgLeu 140
Db 370 TGGCGCTGCGAGGAGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 429
QY 141 ProSerThrAspCysProArgProGlyArgGlyLeuValaProGlyGlyCysCysProGln 160
Db 430 CCCAGCTGAGAGTCCCCCAACCCCAAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 489
QY 161 TrpValCysAspGlnGlyValaThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
Db 490 TGGGTGTGCGGCGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 549
QY 181 LeuSerAlaLeuValaThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
Db 550 TTTTCTGCGCTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 609
QY 201 TrpGlyProCysSerThrThrCysGlyLeuGlyValaValaThrArgValaSerArgGlnAsn 220
Db 610 TGGGAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 669
QY 221 ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240

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Db 670 CGCTTTCGCGATGTGAGAGACCCAGCGCGCTGTGCTGTCAAGCCCTGCCACCTCC 729
QY 241 ArgSerHisSerSerTrpAsnSerAlaPhe 250
Db 730 AGGGGTGCGCATGTCACAAAACAGTGCCTTC 759

RESULT 15
US-10-127-852A-319
; Sequence 319, Application US/10127852A
; Publication No. US20030203428A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C938
; CURRENT APPLICATION NUMBER: US/10/127,852A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-127-852A-319

Alignment Scores:
Pred. No.: 3,17e-94 Length: 1266
Score: 1064.00 Matches: 184
Percent Similarity: 80.40% Conservative: 17
Best Local Similarity: 73.60% Mismatches: 49
Query Match: 73.89% Indels: 0
DB: 13 Gaps: 0

US-10-010-408-2 (1-250) x US-10-127-852A-319 (1-1266)
QY 1 MetArgGlySerProLeuIleHisLeuLeuAlaThrSerPheLeuCysLeuLeuSerMet 20

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Db      10  ATGAGAGGCACACCGAAGACCACTCTGACCTTCTCCCTCTGCTCTCTCAAG 69
QY      21  ValCysAlaGlnLeuCysArgThrProCysThrCysProTyrThrProProGlnCysPro 40
Db      70  GTGCGTACCCAGCTGTGCGCGACACCATATACCTGCTGCGCCACTGCCGATGCCG 129
QY      41  GlnGlyValProLeuValLeuAspGlyCysGlyCysValCysAlaArgArgLeu 60
Db      130  CTGGGAGTACCCCTGTGTGTGATGTGCTGTGCTGTGCTGCGGTATGTGACGGCGCTG 189
QY      61  GlyGlySerCysAspHisLeuHisValCysAspProSerGlnGlyLeuValCysGlnPro 80
Db      190  GGGGAGCCCTGCGACCACTCCACGCTGCGAGCGCAGCGAGGCGCTGTGCTGCGAGCC 249
QY      81  GlyAlaGlyProGlyGlyHisGlyAlaValCysLeuLeuAspGlyAspAspGlySerCys 100
Db      250  GGGGCGAGGACCGCGGTGGCGCGGCGCTGTGCTGTGCGCAGAGGACGACGACTGT 309
QY      101  GluValAsnGlyArgArgTyrLeuAspGlyGlnThrPheLysProAsnCysArgValLeu 120
Db      310  GAGGTGAACGGCCGCTGTATCGGGAGGGAGACCTTCCAGCCCACTGACGATCCGC 369
QY      121  CysArgCysAspAspGlyGlyPheThrCysLeuProLeuCysSerGluAspValArgLeu 140
Db      370  TCCCGCTGCGAGGACGCGCGCTTCACTGCGCGCTGTGCGAGAGATGTGCGGCTG 429
QY      141  ProSerTrpAspCysProArgProLysArgGlnLeuValProGlyLysCysCysProGlu 160
Db      430  CCCAGCTGGGACTGCCCCCACCAGGAGGTGCGAGTCTGTGGCAAGTGTGCCCTGAG 489
QY      161  TrpValCysAspGlnGlyValThrProAlaIleGlnArgSerThrAlaGlnGlyHisGln 180
Db      490  TGGGTGTGCGGCGCAAGAGGGGACTGGGGACCCAGCCCTTCCAGCCCAAGACCCGAG 549
QY      181  LeuSerAlaLeuValThrProAlaSerAlaAspAlaProCysProAsnTrpSerThrAla 200
Db      550  TTTCTGCGCTTGTCTCTTCCCTGCCCCCTGTGCTGCTGCTGCCCAATGGAGCAAGGCC 609
QY      201  TrpGlyProCysSerThrThrCysGlyLeuGlyIleAlaThrArgValSerAsnGlnAsn 220
Db      610  TGGGGACCTGCTGCGACACCTGTGGGCTGGGATGGCCACCGGGGTGCCAACCAAGAAC 669
QY      221  ArgPheCysGlnLeuGlnIleGlnArgArgLeuCysLeuProArgProCysLeuAlaAla 240
Db      670  CGCTTCTGCGACCTGAGACCCAGCGCGCTGTGCTGTGCCAGGCCCTGCCCCACCTTCC 729
QY      241  ArgSerHisSerSerTrpAsnSerAlaPhe 250
Db      730  AGGGGTGCGAGTCCACAAACAGTGCCTTC 759
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Job time : 396 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 04:40:51 ; Search time 62.3011 Seconds

(without alignments)
6643.418 Million cell updates/sec

Title: US-10-010-408-3

Perfect score: 753
Sequence: 1 ATAGAGGAGGAGCCCACTGAT.....CATGGAACAGTCTTCTTAA 753

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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6: /cgm2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	659	87.5	1734	4	US-09-182-145-17
2	659	87.5	1734	4	US-09-182-145-18
3	510.4	67.8	1293	4	US-09-182-145-13
4	510.4	67.8	1293	4	US-09-182-145-14
5	501.2	66.6	738	4	US-09-182-145-38
6	496.4	65.9	841	4	US-09-182-145-39
7	303	40.2	647	4	US-09-023-655-190
8	163	21.6	2075	1	US-08-167-628-1
9	163	21.6	2075	1	US-08-386-680-1
10	163	21.6	2075	1	US-08-459-717-1
11	163	21.6	2075	1	US-08-712-302-1
12	163	21.6	2075	2	US-08-880-031-1
13	163	21.6	2075	3	US-09-097-179-1
14	163	21.6	2075	3	US-09-080-715-1
15	163	21.6	2075	3	US-09-142-569-7
16	163	21.6	2075	4	US-09-461-688-1
17	163	21.6	2075	4	US-09-023-655-1044
18	163	21.6	2075	5	PCT-US96-08140-1
19	163	21.6	2998	3	US-09-054-368-1
20	163	21.6	2998	3	US-09-054-374-1
21	163	21.6	2998	3	US-09-056-704-1
22	161	21.4	2267	4	US-09-142-569-5
23	158	21.0	2338	4	US-09-582-337-1
24	156.4	20.8	2350	4	US-09-187-478-1
25	154.8	20.6	2350	4	US-09-292-036-1
26	125.2	16.6	669	4	US-09-461-688-3
27	125	16.6	1146	4	US-09-348-815-1

28	123.4	16.4	1418	4	US-09-142-569-3	Sequence 3, Appl1
29	119.8	15.9	1766	4	US-09-182-145-9	Sequence 9, Appl1
30	119.8	15.9	1766	4	US-09-182-145-10	Sequence 10, Appl1
31	117	15.5	1480	4	US-09-142-569-1	Sequence 1, Appl1
32	111.6	14.8	2830	4	US-09-182-145-1	Sequence 1, Appl1
33	111.6	14.8	2830	4	US-09-182-145-2	Sequence 2, Appl1
34	102.8	13.7	1128	2	US-08-459-101A-1	Sequence 1, Appl1
35	98.4	13.1	1062	4	US-09-253-316-3	Sequence 3, Appl1
36	89.2	11.8	1403	4	US-09-182-145-23	Sequence 23, Appl1
37	84	11.2	4214	4	US-09-122-135-1	Sequence 1, Appl1
38	75.4	10.0	1142	4	US-09-253-316-1	Sequence 1, Appl1
39	75.4	10.0	1212	4	US-09-182-145-34	Sequence 34, Appl1
40	75.4	10.0	1212	4	US-09-182-145-35	Sequence 35, Appl1
41	75.4	10.0	1335	4	US-09-182-145-30	Sequence 30, Appl1
42	75.4	10.0	1335	4	US-09-182-145-31	Sequence 31, Appl1
43	65.8	8.7	1101	4	US-09-182-145-29	Sequence 29, Appl1
44	63.4	8.4	693	4	US-09-182-145-24	Sequence 24, Appl1
45	63.4	8.4	1202	4	US-09-182-145-26	Sequence 26, Appl1

ALIGNMENTS

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RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gunney, Austin U.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17

Query Match      87.5%; Score 659; DB 4; Length 1734;
Best Local Similarity 93.0%; Pred. No. 2,5e-162;
Matches 702; Conservative 0; Mismatches 50; Indels 3; Gaps 1;
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QY 1 ATAGAGGAGGAGCCCACTGATCCATCTTGAGCACTTCTCTGCTTCTGATG 60
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Db 257 ATAGAGGAGGAGCCCACTGATCCATCTTGAGCACTTCTCTGATGCTCAATG 316
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QY 61 GTGTGTGCCAGCTGTGTGCCGAGACACCTGTACTGTCTTGACACCACTTGTGCCA 120
    |||
Db 317 GTGTATTTCCAGCTGTGTGCCGAGACACCTGTGTCTTGACACCACTTGTGCCA 376
    |||
QY 121 CAGGGGGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
    |||
Db 377 CCGGGGGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 436
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QY 181 GGGAGATCTCTGTGCACCACTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
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Db 437 GGGAGTCTCTGACCACTGATGTCTGCAACCCCAAGCGGCTGTTGTGACGCT 496
QY 241 GGGGAGAGCCCTGCGGCGCATGGGCTGTGTCTCTTGGATGAGAGATGAGATGCTGT 300
Db 497 GGGGAGAGCCCGGAGGCGGTGTGTCTGTGTCTCTTGTGAGAGAGATGAGAGGCTGT 556
QY 301 GAGGTGAATGGCGGAGGATCTGGATGAGAGACCTTTAAACCAATTGAGAGGCTGT 360
Db 557 GAGGTGAATGGCGGAGGATCTGGATGAGAGACCTTTAAACCAATTGAGAGGCTGT 616
QY 361 TGCCGCTGTGATGACGGTGTGCTTCACTGCTGCGCTGTGTGATGAGATGTGTGCTGT 420
Db 617 TGCCGCTGTGATGACGGTGTGCTTCACTGCTGCGCTGTGTGATGAGATGTGTGCTGT 676
QY 421 CCCAGCTGGATGCTGCCCAAGCCCAAGAGATACAGGTGTGAGAGAAATGCTGTGCTGT 480
Db 677 CCCAGCTGGATGCTGCCCAAGCCCAAGAGATACAGGTGTGAGAGAAATGCTGTGCTGT 736
QY 481 TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCAGCGGCGAAGACAC 537
Db 737 TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCAGCGGCGAAGACAC 796
QY 538 CAACCTTCTGCTGCTGTGATCTGCTGCTGTGATGCTGCTGTGCTGCTGCTGCTGCTGCT 597
Db 797 CAACCTTCTGCTGCTGTGATCTGCTGCTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 856
QY 598 GCGTGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 657
Db 857 GCGTGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 916
QY 658 AACCGATTCTGCAACTGAGATCCAAACCGCGCTGTGTCTGCTGCTGCTGCTGCTGCTGCT 717
Db 917 AACCGATTCTGCAACTGAGATCCAAACCGCGCTGTGTCTGCTGCTGCTGCTGCTGCTGCT 976
QY 718 GCCAGAGCCACAGCTCATGGAACAGTGTCTTCTA 752
Db 977 TCCAGAGCCACAGGCTCATGGAACAGTGTCTTCTA 1011

RESULT 2
US-09-182-145-18/c
Sequence 18, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
EARLIER FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-18

Query Match 87.5%; Score 659; DB 4; Length 1734;
Best Local Similarity 93.0%; Pred. No. 2,5e-162;

Matches 702; Conservative 0; Mismatches 50; Indels 3; Gaps 1;
QY 1 ATGAGGGGCAAGCCCACTGATGCAATCTTCTGAGCACTTCTCTGCTGCTGCTGCTGCTGCT 60
Db 1478 ATGAGGGGCAAGCCCACTGATGCAATCTTCTGAGCACTTCTCTGCTGCTGCTGCTGCTGCT 1419
QY 61 GTGTGTGCCAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
Db 1418 GTGTATTCAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1359
QY 121 CAGGGGGTACCCCTGT 180
Db 1358 CCGGGGGTACCCCTGT 1299
QY 181 GGGAGTCTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Db 1298 GGGAGTCTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1239
QY 241 GGGGCAAGCCCTGAGCGGCGATGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 300
Db 1238 GGGGCAAGCCCTGAGCGGCGATGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1179
QY 301 GAGGTGAATGGCGGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db 1178 GAGGTGAATGGCGGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1119
QY 361 TGCCGCTGTGATGACGGTGTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db 1118 TGCCGCTGTGATGACGGTGTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1059
QY 421 CCAGCTGGAGCTGCCCAAGCCCAAGAGATACAGGTGTGCAAGAGAAATGCTGTGCTGCTGCTGCT 480
Db 1058 CCAGCTGGAGCTGCCCAAGCCCAAGAGATACAGGTGTGCAAGAGAAATGCTGTGCTGCTGCTGCT 999
QY 481 TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCAGCGGCGAAGACAC 537
Db 998 TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCAGCGGCGAAGACAC 939
QY 998 TGGGTATGTGACCAAGGAGTGA---CACCGGCGATCCAGCGCTCCAGCGGCGAAGACAC 939
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QY 538 CAACCTTCTGCTGCTGTGATCTGCTGCTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 597
Db 938 CAACCTTCTGCTGCTGTGATCTGCTGCTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 879
QY 598 GCGTGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 657
Db 878 GCGTGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 819
QY 658 AACCGATTCTGCAACTGAGATCCAAACCGCGCTGTGTCTGCTGCTGCTGCTGCTGCTGCT 717
Db 818 AACCGATTCTGCAACTGAGATCCAAACCGCGCTGTGTCTGCTGCTGCTGCTGCTGCTGCT 759
QY 718 GCCAGAGCCACAGCTCATGGAACAGTGTCTTCTA 752
Db 758 TCCAGAGCCACAGGCTCATGGAACAGTGTCTTCTA 724

RESULT 3
US-09-182-145-13
Sequence 13, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B

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CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO: 13
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-13

Query Match      67.8%; Score 510.4; DB: 4; Length 1293;
Best Local Similarity 79.9%; Pred. No. 11e-123;
Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0.

QY      1  ATGAGGGGACAGCCCACTGATCCATCTTCTGGCCACTTCTCTCTGCTTCTCTCATG 60
Db      22  ATGAGAGGCAACCGAGAACCCCACTCTGGCTTTCTCTCTCTCTGCTTCTCTCAAG 81

QY      61  GTGTGTGCCCACTGTGCGGACACCTCTTACTGTCTCTTGGACACCAACCCCACTGCCA 120
Db      82  GTGTGTACCCAGCTGTGCGGACACCACTTACTGTGCTCTCTGCGCACTCTCCCGAGCCG 141

QY      121  CAGGGGGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
Db      142  CTGGGAGTACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 201

QY      181  GGGGAGTCTTGACACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
Db      202  GGGGAGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 261

QY      241  GGGGAGGCGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 300
Db      262  GGGGAGGACCGGCGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 321

QY      301  GAGGTGAATGACCGGAGGTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 360
Db      322  GAGGTGAACGGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 381

QY      361  TGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db      382  TGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 441

QY      421  CCGAGCTGGAGTGTGCCAGCGCCCAAGAAATACAGTGTGCCAGAAATGTGTGCCAG 480
Db      442  CCGAGCTGGAGTGTGCCAGCGCCCAAGAGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 501

QY      481  TGGGTATGTGACCAAGAGGTGACACCGGCGATCCAGCGCTTCCAAGGCGAAGAGACCA 540
Db      502  TGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 561

QY      541  CTTTCTGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
Db      562  TTTTCTGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 621

QY      601  TGGGCGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
Db      622  TGGGAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 681

QY      661  CGATTGTGCCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
Db      682  CGATTGTGCCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 741

QY      721  AGGAGCCACAGCTCATGTGACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 752
Db      742  AGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 773

```

```

Sequence 14, Application US/091482145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austen L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: MISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/192,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 14
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-14

```

Query Match	67.8%	Score 510.4	DB 4	Length 1233
Best Local Similarity	79.9%	Pred. No. 1.1e123		
Matches 601	Conservative 0	Mismatches 151	Indels 0	Gaps 0
QY 1	ATGAGGGGCAAGCCACATGATTCATCTTCTGGGCCACTTCTCTCTCTCTCTCTCTCTCATG	60		
Db 1272	ATGAGAGGCAACCCGAGAGACCCACTCTCTGGCCCTTCTCTCTCTCTCTCTCTCTCTCAAG	1213		
QY 61	GTGTGTGCCAGCTGTGTGCCGACACCCCTGTACCTGTCTCTTGGACACACCCCAAGTCCCA	120		
Db 1212	GTGTGTGCCAGCTGTGTGCCGACACCAATGTACTGTGCCCTGTGGCCACTCTCCCGAATGCCG	1155		
QY 121	CAGGGGGTACCCCTGT	180		
Db 1152	CTGGGAATACCCCTGT	1093		
QY 181	GGGAGTCTGT	240		
Db 1092	GGGAGTCTGT	1033		
QY 241	GGGGCAGGGCCCTGT	300		
Db 1032	GGGGCAGGGCCCTGT	973		
QY 301	GAGGTGATGAGCCGACAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	360		
Db 972	GAGGTGATGAGCCGACAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	913		
QY 361	TGCGCGT	420		
Db 912	TGCGCGT	853		
QY 421	CCGAGCTGT	480		
Db 852	CCGAGCTGT	793		
QY 481	TGGGTATGT	540		
Db 792	TGGGTATGT	733		
QY 541	CTTCTCTGCCCTGT	600		
Db 732	TTTCTCTGCCCTGT	673		

Db	12	ATGAGAGGACACCGAAGCCACCTCGGCGCTTCTCCCTCTCTCTCTCTCAAG	71
Qy	61	GTGTGTGCCAGCTGTGTGCCGAGACCTCTTACCTGCTCTTGGACACCACTCCAGTGC	120
Db	72	GTGCGTATCCAGCTGTGTGCCGAGACCTATCTCTCCCTGTGACACTCCCCGATGCCG	1311
Qy	121	CAGGGGTATCCCTGGTGTGTGATGTGCTGTGTCTGTAAAGTGTGTGACGGAGCTG	180
Db	132	CTGAGAGTACCTCTGTGTGTGTGATGTGCTGTGTCTGTCCCGGTATGTGACGGAGCTG	191
Qy	181	GGGAGATTCGACGACCACTGCATGTCTGACGCCACGACGAGGCTGTGTGTGCACT	240
Db	192	GGGAGAGCTCTGCGACCACTCCAGCTGTGTGACGCGACGAGGCTGTGTGTGCACT	251
Qy	241	GGGGACAGCCCTGTGCGCGCATGGGGCTGTGTGTCTTTGGATGAGAGTACGATGCT	300
Db	252	GGGGACAGGACCTCGTGTGCGCGGGGGCTGTGTCTTTGGACAGAGGACGAGCTGT	311
Qy	301	GAGTGAATGAGCGCGACGATCTGTGATGTGAGAGACTTTAAACCAATGGAGGTCTG	360
Db	312	GAGGTGAACGCGCGCTGTATGTGGAGAGGGAGACCTTCAAGCCCACTGACATCGC	3711
Qy	361	TGCGCGTGTATGACGGGTGGCTTCACTGCTCGCGCTGTGTGATGAGAGTGTGGCTG	420
Db	372	TGCGCGTGTGAGGACGGCGGCTTCACTGCTCGCGCTGTGTGATGAGAGTGTGGCTG	4311
Qy	421	CCGAGCTGGGACTGCCACGCCCCAAGAGATACAGTGTCCAGAGAAATGCTGTCCCGAG	480
Db	432	CCGAGCTGGGACTGCCCGCCCCAAGAGAGGTGAGAGTCTGAGCAATGTGCTCGTAG	491
Qy	481	TGGGTATGTATCCAGGAGTGTGACACCGGAGATTCAGCGCTCCACGGGCCAGACACAA	540
Db	492	TGGGTATGTGCGGACAGAGAGGGGAGATGTGGGACCAAGCTTCCA--GCCAAGAGACCCAG	549
Qy	541	CTTTCTGCGCTGTGCACTCTGCTGTGTGTGATGCTCTGTGCAAAATTTGAGACAGCC	600
Db	550	TTTTCTGCGCTGTGCTTTCTTCTGCTGCTGCTGTGTGTGCTGCTGCGAATTTGAGACAGCC	609
Qy	601	TGGGGCCCTGTCTCAACCACTGTGGGCTGTGGGATAGCCACCGAGTGTCCACAGAAC	660
Db	610	TGGGGACCTGTGTGTGACCACTGTGTGGGCTGTGGGATAGCCACCGGGTGTCCACAGAAC	669
Qy	661	CGATTCTGCCAATGTGAGATCCAGCGCGCTGTGTGTGTGCTCCAGACCTGTGCTGAGCC	720
Db	670	CGCTTCTGCGAGCTGTGAGACCCAGCGCGCTGTGTGTGTGCTGCTGCGACCTGTGCTG	729
Qy	721	AGAGCCAGCTCATGTGAACAATGCTTTCTA	752
Db	730	AGGGGTGTGAGTCCACAAAAGTGTCTTCTA	761

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1 RESULT 7
2 US-09-023-655-790
3 ; Sequence 790, Application US/09023655
4 ; Patent No. 6607879
5 ;
6 ; GENERAL INFORMATION:
7 ;
8 ; APPLICANT: Cocks, Benjamin G.
9 ; APPLICANT: Susan G. Stuart
10 ; APPLICANT: Jeffrey J. Seallamer
11 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
12 ; TITLE OF INVENTION: EXPRESSION
13 ; NUMBER OF SEQUENCES: 1508
14 ;
15 ; CORRESPONDENCE ADDRESS:
16 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
17 ; STREET: 3174 PORTER DRIVE
18 ; CITY: PALO ALTO
19 ; STATE: CALIFORNIA
20 ; COUNTRY: USA
21 ;
22 ; ZIP: 94304
23 ;
24 ; COMPUTER READABLE FORM:
25 ;
26 ; MEDIUM TYPE: Floppy disk
27 ; COMPUTER: IBM PC compatible
28 ; OPERATING SYSTEM: PC-DOS/MS-DOS
29 ;

```

```

1 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2.2
2
3 CURRENT APPLICATION DATA:
4 APPLICATION NUMBER: US/09/023,655
5
6 FILING DATE: HEREWITH
7
8 CLASSIFICATION:
9
10 PRIOR APPLICATION DATA:
11 APPLICATION NUMBER:
12
13 FILING DATE:
14
15 CLASSIFICATION:
16
17 ATTORNEY/AGENT INFORMATION:
18
19 NAME: Zeller, Karen J.
20 REGISTRATION NUMBER: 37,071
21
22 REFERENCE/DOCKET NUMBER: PA-0001 US
23
24 TELECOMMUNICATION INFORMATION:
25
26 TELEPHONE: (650) 855-0555
27
28 TELEFAX: (650) 845-4166
29
30 INFORMATION FOR SEQ ID NO: 790:
31
32 SEQUENCE CHARACTERISTICS:
33
34 LENGTH: 647 base pairs
35
36 TYPE: nucleic acid
37
38 STRANDEDNESS: single
39
40 TOPOLOGY: linear
41
42 IMMEDIATE SOURCE:
43
44 LIBRARY: LUNGTU02
45
46 CLONE: 692911
47
48 US-09-023-655-790

```

Query Match	40.2%	Score 303	DB 4	Length 647
Best Local Similarity	78.7%	Pred. NO.	8.5e-70	
Matches 374	Conservative	0	Mismatches 100	Indels 1
				Gaps 1

QY	278	TGATAGAGATACGGTAGCTGTGAGAGTAAATGCGCCAGGTACTCTGATGAAAGACT	33
Db	10	TGCAAGAGACACACAGACTGTGAGTGAACGCGCGCTGTATCGGGAAGGGAGACCT	69
QY	338	TTAAACCAATTGCAAGGTCCTGTGCGCGCTGTGATGACGAGTGCTTTCACTTGCTGCGCG	39
Db	70	TCCAGGCCCACTGCAAGCATCTCGCTCGCTGTGAGAGAGAGCGGCGCTTCACTGCGCTGCGCG	122
QY	398	TGTGCACTGAGATGTGCGGCTGTGCCACATGGAGACTGCGCACGCGCCCAAGAAATACAG	45
Db	130	TGTGCAAGCAGGATGTGCGGCTGTGCCAGTGGAGATGCGCCACCCACAGAGAGGTCAAG	18
QY	458	TGCAGAGAAAGTCTACCGCCAGTGGATGTGACACAGAGAGTACACCGGCGATCCAGC	517
Db	190	TCTTGAGCAAGTCTCTCCCTGTGATGGTGTGTGGGCAAGAGAGGGGAGACTGGAGA-CCAGC	248
QY	518	GCTCCACGGCGAAGGACACCACTTTCTGCCCTTTGTCACTCTGCTCTGTGATGCTC	577
Db	249	CCCTTCCAGCCCAAGGACCCCAAGTTTCTGTGGCTTTGTCTCTTCCTGCGCCCTGATGCTC	308
QY	578	CTTGTCCAAATTGGAGACACAGCTCGGGGCGCTGCTCAACACCACTGTGAGCTTGAGCATAG	637
Db	309	CTGTCCAGAAATGAGACACGCTGTGGGACCTGTGTCAACACTGTGTGGGTGGGCAATGG	368
QY	638	CCACCCGAGTGTCCAAACGAAACGATTTCTGCAACTGAGATCCAAACGCGCTGTGTCTC	697
Db	369	CCACCCGGGTGTCAACACGAAACCGCTTCTGTGCTCGACTGMAACCAAGCGCGCTGTGCGC	428
QY	698	TGTCCAGACCTCGGCTGTGGAGCCAGAGAGCAACAGTCAATGGAACAGTCTTTCTTA	752
Db	429	TGTCCAGGCGCTGTCCACCTTCAGGGGTCGAGTGTCCAAAAACAGTGCCTTTCTTA	483

RESULT 8
US-08-167-628-1
Sequence 1, Application US/08167628
Patent No. 5408040
GENERAL INFORMATION:
APPLICANT: Grotenhorst, Gary R.
APPLICANT: Brahman Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2

```

CORRESPONDENCE ADDRESS:
ADDRESS: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-167-628-1

Query Match      21.6%; Score 163; DB 1; Length 2075;
Best Local Similarity 56.2%; Pred. No. 3.2e-33;
Matches 351; Conservative 0; Mismatches 265; Indels 9; Gaps 2;

QY 102 GACACACCCCAAGTCCCAAGGAGGTACCCCTGCTGATGAGTGGTGTGCTGCTGTA 161
DB 243 GCCGCGCCGCGCTGCGCGCGCGCGCGCTGAGCCTGCTGAGCAGGCTGCGCTGCGCG 302
QY 162 AGTGTGACGAGGAGGCTGGGGAGTCCGACCAACCTGATGCTGACCCAGCCA 221
DB 303 CGCTGCGCCAAAGCAAGCTGAGGCTGACACCGACGCGACCCCTGACACCCGACAA 362
QY 222 GGGCCCTGTTTGCAGCTGAGGCGAGGCGCTGCGCGCCATGAGGCTGTGCTTGA 281
DB 363 GGGCCCTTCTGTGATTTGGCTCCCGGCGCAACGCAAGATCGGGGTG---CACGCG 419
QY 282 TAGAGATGACGAGTGTGAGGTGAATGCGCGCAGGTACCTGATGAGAGACCTTTA 341
DB 420 CAAGATGTGTCTCCCTGATCTTCGATGATGATGATGATGATGATGATGATGATGAT 479
QY 342 ACCCAATTCAGAGGTCTGTGCGCGCTGATGATGAGGCTGCTTCACTGCTGCGCTG 401
DB 480 GAGCACTCTCAATACAGATGACAGTCTGCGAGCGAGGAGGAGGCTGATGATGCTG 539
QY 402 CAGTGAAGATGTGCGGCTGCCAGCTGGAATGCGCACGCGCCCAAGAAATACAGTGC 461
DB 540 CAGCATGGAAGTTCGTCTGCGCGAGCCTGATGCTGCTTCCGAGAGAGGTCAAGCTGC 599
QY 462 AGGAAGTGTGCGCGAGGAGGTGATGACAGAGGAGTGAACAACCGCATCAGAGCTG 521
DB 600 CCGGAATGTGTGAGAGGTGTGTGATGACAGCCCAAGACAAACCTGTGTGAGGC 659
QY 522 CACGCGCAAGAGACACCAATTTCTGCGCTTGTGACTCTGCTGTGAT-----GC 575

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DB 660 TGCCCTGCGGCTTACCGATGGAAGACAGTTTGCCCGACAGCCCACTATGATTAGC 719
QY 576 TCCTGTCCAAATTGAGACAGCCTGGGCGCTGCTCAACCACTGTGGGCTGAGCAT 635
DB 720 CAAGTGTGCTGTCAGACACAGAGTGAAGCGGCTGCTTCCAGACCTGTGGATGGGCAT 779
QY 636 AGCAGCCGAGTGTCCCAAGCAGACGATTTCTGCGCAACTGAGATCCAGCGGCTGTG 695
DB 780 CTCACCCGGAGTACATGACACAGCGCTCTGAGGCTTAGAGAGAGAGAGCGGCTGTG 839
QY 696 TCTGCCAGACCCCTGCTGCGAGCC 720
DB 840 CATGTACAGGCTTGGCAGAGCTGAC 864

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RESULT 9
US-08-386-680-1
Sequence 1, Application US/08386680
Patent No. 5585270
GENERAL INFORMATION:
APPLICANT: Groendordt, Gary R.
APPLICANT: Bradham Jr., Douglas M.
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/386,680
FILING DATE: 10-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-386-680-1

Query Match      21.6%; Score 163; DB 1; Length 2075;
Best Local Similarity 56.2%; Pred. No. 3.2e-33;
Matches 351; Conservative 0; Mismatches 265; Indels 9; Gaps 2;

QY 102 GACACACCCCAAGTCCCAAGGAGGTACCCCTGCTGATGAGTGGTGTGCTGCTGTA 161

```

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Db 243 GCCGCGCGCGCTCCGCGCGCGCTGAGACCTGCTGAGACGCGCTGCTGCTGCG 302
Qy 162 AGTGTGTGACGAGAGCTGAGGAGAGTCTGCGACACCACTGATGTCGACGCCAGCCA 221
Db 303 CGTGTGCGGCAAGAGAGCTGAGGAGAGTGTGACACCGAGCGGACCCCTGCGACCGGCA 362
Qy 222 GGGCTGTGTTGTGAGCTGAGGAGAGGCGCTGAGGCGGCAATGAGGCTGTGTGTCTTGA 281
Db 363 GGGCTGTGTTGTGAGCTGAGGAGAGGCGCTGAGGCGGCAATGAGGCTGTGTGTCTTGA 419
Qy 282 TGAGGATGACGCTGAGCTGAGGAGAGGCGGCAATGAGGCTGTGTGTCTTGA 341
Db 420 CAAAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 479
Qy 342 ACCGATGTGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 401
Db 480 GAGCAGCTGCAAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTAC 539
Qy 402 CAGTGAAGATGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 461
Db 540 CAGCAGTGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 599
Qy 462 AGGAAGAGTGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 521
Db 600 CGGGAATGTGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 659
Qy 522 CACGCGCGCAAGAGCAACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 575
Db 660 TGCCCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 719
Qy 576 TCTTGTGCTCAATTTGAGAGCAAGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGG 635
Db 720 CAACGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 779
Qy 636 AGCCACCGCAAGTGTGCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAAC 695
Db 780 CTCACCGCGGTTTACCAATGACCAACGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 839
Qy 696 TCTGCCAGAGCCCTGCTGCGAGCC 720
Db 840 CATGCTCAGGCTTGTGCAAGCTGAC 864

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RESULT 10
US-08-459-717-1
; Sequence 1, Application US/08459717
; Patent No. 5770209
; GENERAL INFORMATION:
; APPLICANT: Grotendore, Gary R.
; APPLICANT: Bradham Jr., Douglas M.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,717
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/752,427
; FILING DATE: 30-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr. Ph.D., John W.

```

```

; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-1294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-455-5100
; TELEFAX: 619-455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2075 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: DB60R32
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..1177
US-08-459-717-1

```

```

Query Match 21.6%; Score 163; DB 1; Length 2075;
Best Local Similarity 56.2%; Pred. No. 3.2e-33;
Matches 351; Conservative 0; Mismatches 265; Indels 9; Gaps 2;

```

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Qy 102 GACACACCCAGTGTGCGGCGGCAAGGCGGCAAGGCGGCGGCAAGGCGGCGGCAAGGCGGCGG 161
Db 243 GCCGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 302
Qy 162 AGTGTGTGACGAGAGCTGAGGAGAGTCTGCGACCACTGATGTCGACGCCAGCCA 221
Db 303 CGTGTGCGGCAAGAGCTGAGGAGAGTGTGACACCGAGCGGCAAGCCCTGCGACCGCA 362
Qy 222 GGGCTGTGTTGTGAGCTGAGGAGAGGCGCTGAGGAGGCGGCGGCGGCGGCGGCGGCGG 281
Db 363 GGGCTGTGTTGTGAGCTGAGGAGAGGCGCTGAGGAGGCGGCGGCGGCGGCGGCGGCGG 419
Qy 282 TGAGGATGACGCTGAGCTGAGGAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 341
Db 420 CAAAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 479
Qy 342 ACCGATGTGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 401
Db 480 GAGCAGCTGCAAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTAC 539
Qy 402 CAGTGAAGATGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 461
Db 540 CAGCAGTGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 599
Qy 462 AGGAAGAGTGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 521
Db 600 CGGGAATGTGTGCGGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTG 659
Qy 522 CACGCGCGCAAGAGCAACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 575
Db 660 TGCCCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 719
Qy 576 TCTTGTGCTCAATTTGAGAGCAAGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGG 635
Db 720 CAACGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 779
Qy 636 AGCCACCGCAAGTGTGCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAAC 695
Db 780 CTCACCGCGGTTTACCAATGACCAACGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 839
Qy 696 TCTGCCAGAGCCCTGCTGCGAGCC 720
Db 840 CATGCTCAGGCTTGTGCAAGCTGAC 864

```

```

RESULT 11
US-08-712-302-1
; Sequence 1, Application US/08712302
; Patent No. 5783187
; GENERAL INFORMATION:

```

APPLICANT: Grotendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,302
FILING DATE: 11-SEP-1996
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/386,680
FILING DATE: 10-FEB-1995
APPLICATION NUMBER: US/08/167,628
FILING DATE:
APPLICATION NUMBER: US/07/752,427
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-712-302-1

Query Match 21.6%; Score 163; DB 1; Length 2075;
Best Local Similarity 56.2%; Pred. No. 3.2e-33;
Matches 351; Conservative 0; Mismatches 265; Indels 9; Gaps 2;

QY 102 GAAACACACCCAGTGGCCACAGGGGGTACCCCTGGTGGTGGTGGTGGTGGTAA 161
DB 243 GCGGGGCGCGCGTGGCCCGCGGGCGGTGAGCTGTGTGTGTGTGTGTGTGTGT 302
QY 162 AGTGTGTGACGAGAGCTGGGAGGTCTGTGTGTGTGTGTGTGTGTGTGTGTGT 221
DB 303 CGT 362
QY 222 GGGCTGT 281
DB 363 GGGCTGT 419
QY 282 TGAGGATGAGCGT 341
DB 420 CAAGATGAGT 479
QY 342 ACCCAATTGAGGAGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 401
DB 480 GAGCAGGTGCAAGTACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 539
QY 402 CAGTGAAGATGT 461

DB 540 CAGCATGACGTTGT 599
QY 462 AGAAGATGT 521
DB 600 CGGAAATGT 659
QY 522 CACGGCGGAGACACCAATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 575
DB 660 TGCCCTGCGGCTTACCGACTGGAAGACAGCTTTGGCCAGACCACTATGATTAGAGC 719
QY 576 TCCTTGTCCAAATTGAGACACAGCTGTGGGCGCCCTGCTCAACCACTGTGGGCTG 635
DB 720 CACTGCTGT 779
QY 636 AGCCACCGGATGT 695
DB 780 CTCACCGGCTGT 839
QY 696 TCTGTCCAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
DB 840 CATGT 864

RESULT 12
US-08-880-031-1
Sequence 1, Application US/08880031
Patent No. 5916756
GENERAL INFORMATION:
APPLICANT: Grotendorst, Gary R.
APPLICANT: Bradham Jr., Douglas M.,
TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/880,031
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/167,628
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr. Ph.D., John W.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-1294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2075 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: DB60R32
FEATURE:
NAME/KEY: CDS
LOCATION: 130..1177
US-08-880-031-1

OTHER INFORMATION: "CTGF CDNA coding sequence"
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-142-569-7

Query Match 21.6%; Score 163; DB 4; Length 2075;
Best Local Similarity 56.2%; Pred. No. 3,28-33;
Matches 351; Conservative 0; Mismatches 265; Indels 9; Gaps 2;

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QY 402 CAGTGAAGATGTGGGCTGGCCAGCTGAGGACTGCCCCAGCCCAAGAGAAATACAGTGGC 461
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Db 540 CAGCATGAGCTTGTGTGCTGCCAGCCCTGACTGCTCCCTTCCGAGAGGGTCAAGCTGCC 599
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Db 600 CGGAAATGTCTGCGAGAGTGGGTGTGTGACGAGCCCAAGGACCAACCGTGTGTGGCC 659
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QY 522 CAGGCGCGAGGACACCACTTTCTGCTTGTCTACTCTGCTGTGCTGTGAT-----GC 575
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QY 576 TCCTTGTCCAAATTGGAGCACAGCCTGGGGCCCTGTGCTCAACCACTGTGGGCTGGGAT 635
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Db 720 CAACCTGCTGTGTCAGAGCACAGAGTGGAGCGCTGTTCAGAGCTGTGGGATGGGAT 779
   |||||
QY 636 AGCCACCGAGTGTCCAAACCAACCGATTTGCAACTGTGAGATCCACCGCGCTGTG 695
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Db 780 CTCACCCCGGTTTACCAATGACAAAGCGCTCTGTGAGGCTAGAGAAAGAGAGCGGCTGTG 839
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QY 696 TCTGCCAGACCTGCTGGCAGCC 720
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Db 840 CATGTCAAGGCTTTCGAAAGCTGAC 864
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Search completed: May 9, 2004, 06:32:35
Job time : 64.9011 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 05:00:41 ; Search time 334.445 Seconds
(without alignments)
10199.232 Million cell updates/sec

Title: US-10-010-408-3

Perfect score: 753
Sequence: 1 ATGAGGGGAGCCCATGAT.....CATGGAACAGTCTTCTTA 753

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2941586 seqs, 226495651 residues

Total number of hits satisfying chosen parameters: 5883172

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	753	100.0	1708	14	US-10-010-408-1
3	681	90.4	1734	15	US-10-010-408-12
4	659	87.5	1734	15	US-10-112-267-17
5	659	87.5	1734	15	US-10-112-267-18
6	510.4	67.8	1266	13	US-10-147-493-319
7	510.4	67.8	1266	13	US-10-145-127-319
8	510.4	67.8	1266	13	US-10-160-503-319
9	510.4	67.8	1266	13	US-10-143-118-319
10	510.4	67.8	1266	13	US-10-144-993-319
11	510.4	67.8	1266	13	US-10-158-787-319
12	510.4	67.8	1266	13	US-10-140-024-319
13	510.4	67.8	1266	13	US-10-140-808-319
14	510.4	67.8	1266	13	US-10-152-405-319

15	510.4	67.8	1266	13	US-10-127-852A-319	Sequence 319, App
16	510.4	67.8	1266	13	US-10-127-900A-319	Sequence 319, App
17	510.4	67.8	1266	13	US-10-128-685A-319	Sequence 319, App
18	510.4	67.8	1266	13	US-10-131-820A-319	Sequence 319, App
19	510.4	67.8	1266	13	US-10-142-886-319	Sequence 319, App
20	510.4	67.8	1266	13	US-10-146-728-319	Sequence 319, App
21	510.4	67.8	1266	13	US-10-146-786-319	Sequence 319, App
22	510.4	67.8	1266	13	US-10-147-499-319	Sequence 319, App
23	510.4	67.8	1266	13	US-10-157-798-319	Sequence 319, App
24	510.4	67.8	1266	15	US-10-028-072-319	Sequence 319, App
25	510.4	67.8	1266	15	US-10-121-049-319	Sequence 319, App
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33	510.4	67.8	1266	15	US-10-142-431-319	Sequence 319, App
34	510.4	67.8	1266	15	US-10-143-114-319	Sequence 319, App
35	510.4	67.8	1266	15	US-10-140-002-319	Sequence 319, App
36	510.4	67.8	1266	15	US-10-142-419-319	Sequence 319, App
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38	510.4	67.8	1266	15	US-10-142-423-319	Sequence 319, App
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40	510.4	67.8	1266	15	US-10-141-755-319	Sequence 319, App
41	510.4	67.8	1266	15	US-10-143-032-319	Sequence 319, App
42	510.4	67.8	1266	15	US-10-123-108-319	Sequence 319, App
43	510.4	67.8	1266	15	US-10-123-236-319	Sequence 319, App
44	510.4	67.8	1266	15	US-10-123-261-319	Sequence 319, App
45	510.4	67.8	1266	15	US-10-140-921-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-3
Sequence 3, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellet, Jr.
TITLE OF INVENTION: NO. US20020165185A1 Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSER: LAHYE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214

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? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
?     LENGTH: 753 base pairs
?     TYPE: nucleic acid
?     STRANDEDNESS: single
?     TOPOLOGY: linear
?     MOLECULE TYPE: cDNA
?     FEATURE:
?         NAME/KEY: CDS
?         LOCATION: 1..750
?     SEQUENCE DESCRIPTION: SEQ ID NO: 3:
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US-10-010-408-3

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Query Match	100.0%;	Score 753;	DB 14;	Length 753;
Best Local Similarity	100.0%;	Pred. No. 7.9e-215;		
Matches 753; Conservative	0;	Mismatches	0;	Gaps 0;

[illegible]

RESULT 2
US-10-010-408-1
; Sequence 1, Application US/10010408

Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellet, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules
and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010,408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044,273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MBI-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1708 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1001
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-010-408-1

	Query Match	Similarity	100.0%	Score	753	DB	14	Length	1708
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Db	309	GTGATGGCCAGCTGTGCGGACACCCGTATCTGTCTTGGACACACCACCCAGTGCCCA	368						
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Db	489	GGGGCAGGCGCTGTGGCGGCATGTGGGCTGTGTCTCTTGGATGAGGATGACGGTACGCT	548						
QY	301	GAGGTGAATGGCCGACGATCTCTGATGTGAGAGACCTTAAACCAATTGCAGGGGCTGTG	360						

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Db 609 TGCGCTGTATGACGGGAGCTTCACTGCTGCGGCTGTGACATGAGATGTGCGGCTG 668
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Db 969 AGGAGCCACAGCTCATGGAACAGTCTTTCTAA 1001

RESULT 3

US-10-010-408-12

Sequence 12, Application US/10010408

Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castelletto, Jr.

TITLE OF INVENTION: No. US20020165185A1el Heparin-Induced CN-Like Molecules

and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESS: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010.408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 09/044.273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandagouras

REGISTRATION NUMBER: 36.207

REFERENCE/DOCKET NUMBER: MBI-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 681 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..681
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-010-408-12

Query Match 90.4%; Score 681; DB 14; Length 681;
Best Local Similarity 100.0%; Pred.No.2.5e-193;
Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 130 CCCCTGTGTGATGAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 189
Db 61 CCCCTGTGTGATGAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 120
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Qy 250 CTTGCGGCGCATGAGGCTGTGTGTCTTGTGATGAGATGACGATGCTGTGATGAT 309
Db 121 TGGACCACTGATGTGCGACCCAGCCAGGGGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 240
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Qy 430 GACTGCCACGCGCCCAAGAGATATACAGGTGCGAGAAAGTGTGCTGCGGAGTATGT 489
Db 361 GACTGCCACGCGCCCAAGAGATATACAGGTGCGAGAAAGTGTGCTGCGGAGTATGT 420
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Db 481 CTTGTCACTCTGCTCTCTGTGATGCTCTTGTTCAAATTGAGACACAGCTGTGCGGCGCC 540
Qy 610 TGTCTAACCACTGTGAGCTGAGCATAGCCACCGAGTGTCCAAACCAATTCCTGCGC 669
Db 541 TGTCTAACCACTGTGAGCTGAGCATAGCCACCGAGTGTCCAAACCAATTCCTGCGC 600
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Db 601 CAACTGAGATGCCAGCGGCTGTGTGCTGCCAGACCTGTGCGGACGAGGAGGAC 660
Qy 730 AGCTCATGGAACAGTGTCTTC 750
Db 661 AGCTCATGGAACAGTGTCTTC 681

RESULT 4

US-10-112-267-17

Sequence 17, Application US/10112267

Publication No. US20030068678A1

GENERAL INFORMATION:

APPLICANT: Botstein, David A.

APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey

APPLICANT: Gueney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Lawrence, David A.

APPLICANT: Levine, Arnold J.

```

1  APPLICANT: Pennica, Diane
2  APPLICANT: Roy, Margaret Ann
3  APPLICANT: Wood, William I.
4  TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
5  FILE REFERENCE: P1176R2
6  CURRENT APPLICATION NUMBER: US/10/112,267
7  CURRENT FILING DATE: 2002-03-27
8  PRIOR APPLICATION NUMBER: US/09/182,145B
9  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
10 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
11 PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
12 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
13 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
14 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
15 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
16 NUMBER OF SEQ ID NOS: 156
17 SEQ ID NO 17
18 LENGTH: 1734
19 TYPE: DNA
20 ORGANISM: Mus musculus
21 US-10-112-267-17

```

	Query Match	Similarity	87.5%	Score 659	DB 15	Length 1734	
	Best Local	Similarity	93.0%	Pred. No. 1	1e-186		
	Matches	702	Conservative	0	Mismatches	50	Indels 3; Gaps 1
QY	1	ATGAGGGGAGCCCACTGATCCATCTTGTGGCCACTTCCCTTCTGCTGCTTCATAG	60				
DB	257	ATGAGGGGCAACCCCACTGATCCATCTTCTGGCCATTCTCTTCTCTGCATTTCTCATAG	316				
QY	61	GTTGTGCCCCAGCTGTGCGGACACCCCTGTACTCTCTTGGACACACCCCAAGGCCA	120				
DB	317	GTTATTTCCCAAGCTGTGCGGACACCCCTGTGCTCTCTTGGACACACCCCAAGGCCA	376				
QY	121	CAGGGGGATACCCCTGGTGTGGATGGCTGTGGCTGTGAAGTGTGTGACAGAGGCTG	180				
DB	377	CCGGGGGATACCCCTGGTGTGGATGGCTGTGGCTGTGCGATGTGTGACAGAGGCTG	436				
QY	181	GGGGAGTCTTGCGACCCACTCTGATTTCTGCGACCCCGACGAGGCTGGTTTGTGAGCT	240				
DB	437	GGGAGTCTTGCGACCCACTCTGATTTCTGCGACCCCGACGAGGCTGGTTTGTGAGCT	496				
QY	241	GGGGGAGGCGCTTGCGGCGCCATGGGCGTGTGTCTTGTGATGAGATGACGATAGCTGT	300				
DB	497	GGGGGAGGCGCCATGGGCGCGTGTGTCTTGTGATGAGATGACGAGTGGAGCTGT	556				
QY	301	GAGGTGAATGAGCGCGGAGGATCTTGATGAGAGACCTTAAACCCAAATTGCAAGGCTCTG	360				
DB	557	GAGGTGAATGAGCGCGGAGGATCTTGATGAGAGACCTTAAACCCAAATTGCAAGGCTTGTG	616				
QY	361	TGCGCGTGTGATGACGATGGCTTCACTGCGCTGCGCGCTGTGACATGAGGATGTGCGGCTG	420				
DB	617	TGCGCGTGTGATGACGATGGCTTCACTGCGCTGCGCGCTGTGACATGAGGATGTGCGGCTG	676				
QY	421	CCCAAGCTGGAGCTGCGCCACGCCCCAAGAGAAATACAGTGCACGAGAAAGTGTGCCCGAG	480				
DB	677	CCCAAGCTGGAGCTGCGCCACGCCCCAAGAGAAATACAGTGCACGAGAAAGTGTGCCCGAG	736				
QY	481	TGGGTATGTGACCAAGGAGGTGA--CACCGCGGATTCACAGCGTCTCAACGCGCGAAGACAC	537				
DB	737	TGGGTATGTGACCAAGGAGGTGATGACGCGGCAATCCACGCCCTCTCAAGCCCAAGACAC	796				
QY	538	CAACTTTCTGCGCTTGTGATCACTTCGTCGCTGTGTGATGAGCTCTTGTTCAAATTGGAGACAC	597				
DB	797	CAACTTTCTGCGCTTGTGATCACTTCGTCGATGTGCGCATGTGCGCTCTGTTCAAATCTGGAGACAC	856				
QY	598	GCTTGAGGCGCCCTGTCTCAACCACTGTGGGCTGGGCAATAGCCACCGAGTGTCAACCGAG	657				
DB	857	GCTTGAGGCGCCCTGTCTCAACCACTGTGGGCTGGGCAATAGCCACCGAGTGTCAACCGAG	916				
QY	658	AACGCAATTTCTGCAACTGGAGATCCAGCGCCGCTGTGTCTGTGCGCAAGACCCGCTGGACA	717				
DB	917	AACGCAATTTCTGCAACTGGAGATCCAGCGTGTGCTGTGTGTGTTCAGAACCTTCTGGGACA	976				

```

OY      718 GCCAGGAGCCACAGCTCATGGAACAGTGGTTTCTA 752
        |||||
DB      977 TCAGAGACCAACGGCTCATGGAACAGTGGCTTCTA 1011

```

```

RESULT 5
US-10-112-267-18/c
: Sequence 18, Application US/10112267
: Publication No. US20030068678A1
: GENERAL INFORMATION:
: APPLICANT: Botstein, David A.
: APPLICANT: Cohen, Robert
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Lawrence, David A.
: APPLICANT: Levine, Arnold J.
: APPLICANT: Remnicka, Diane
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Wood, William I.
: TITLE OR INVENTION: WIDE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
: FILE REFERENCE: P116R2
: CURRENT APPLICATION NUMBER: US/10/112,267
: CURRENT FILING DATE: 2002-03-27
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/182,145B
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-29
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/063,704
: PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-29
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/073,612
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-04
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/081,695
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-14
: NUMBER OF SEQ ID NOS: 156
: SEQ ID NO 18
: LENGTH: 1734
: TYPE: DNA
: ORGANISM: Mus musculus
US-10-112-267-18

```

Query Match	87.5%	Score 659	DB 15	Length 1734
Best Local Similarity	93.0%	Pred. No. 1,1e-186		
Matches 702	Conservative 0	Mismatches 50	Indels 3	Gaps 1
QY	1	ATAGAGGGCAAGCCACTGATCCATCTTCTG3CCACTTCTCTCTGCTTCTCTCATG	60	
Db	1478	ATAGAGGGCAACCACTGATCCATCTTCTG3CCATTCCTTCTCTCTCATTCCTCATG	1419	
QY	61	GTGTGTGCCAGCTGTGTGCGGGACACCCCTGTACCTGTGCTTGGACACGACCCAGTCCCA	120	
Db	1418	GTGTATTCACAGCTGTGTGCGGACACCCCTGTGTCTGTCTTGGACACACCCCACTGCCCA	1359	
QY	121	CAGGGGGTACCCCTGTGTCTGTATGTG3CTGTGTGCTGTCTGTAAAGTGTGTGCACGAGGCTG	180	
Db	1358	CCGGGGGTACCCCTGTGTCTGTATGTGCTGTGTG3CTGTGTGCTGTGAGAGTGTGTGACGAGGCTG	1299	
QY	181	GGGAGTCCGCGCACACCTGTGATGTGTGGACCCCGACGAGGCTGTGTTGTCAAGCT	240	
Db	1298	GGGAGTCCGCGCACACCTGTGATGTGTGGACCCCGACGAGGCTGTGTTGTCAAGCT	1239	
QY	241	GGGCGAGGCTCTGTGCGGCAATG3GGCTGTGTCTCTTGTGATGAGATGACG3TACTGT	300	
Db	1238	GGGCGAGGCTCTGTGCGGCAATG3GGCTGTGTCTCTTGTGATGAGATGACG3TACTGT	1179	
QY	301	GAGGTGAATGAGCCGACAGTACCTGGATGGAGAGACCTTTAAACCAATTTGACAGG3TCTG	360	
Db	1178	GAGGTGAATGAGCCGACAGTACCTGGATGGAGAGACCTTTAAACCAATTTGACAGG3TCTG	1119	
QY	361	TGCGCGTGTGATGACG3GTGCTTCACTGCTCTGCGGCTGTGACAGTGAAGATGTGTG3CTG	420	
Db	1118	TGCGCGTGTGATGACG3GTGCTTCACTGCTCTGCGGCTGTGACAGTGAAGATGTGTG3CTG	1058	
QY	421	CCCAAGCTGTGAC3TCCACGACCCCAAGAGAAATACAGGTGCCAGGAAGTGTGTGCCCCGAG	480	

LENGTH: 1266
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-145-127-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;
 Best Local Similarity 79.9%; Pred. No. 2.6e-142;
 Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

```

QY 1 ATGAGGGGAGCCCACTGATCATCTTGGCCACTTCCCTTCTGCTTCTTCATG 60
DB 10 ATGAGAGGACACCCAGAGCCCACTTCTTCCCTTCTTCTTCTTCTTCTTCAAG 69
QY 61 GTGTGTGCCAGCTGTGCCAGACACCTGTACTCTGTGACACCACTCCAGTCCCA 120
DB 70 GTGCTTACCCAGCTGTGCCAGACACCACTTCTTCTTCTTCTTCTTCTTCTTCAAG 129
QY 121 CAGGGGGTACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
DB 130 CTGGAGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 189
QY 181 GGGGAGTCTGTGACCACTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
DB 190 GGGGAGCTGTGACCACTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 249
QY 241 GGGGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 300
DB 250 GGGGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 309
QY 301 GAGGTGAATGAGCCGAGTACTGTGATGTGAGAGACCTTAAACCAATTGCGGTCTG 360
DB 310 GAGGTGAATGAGCCGAGTACTGTGATGTGAGAGACCTTAAACCAATTGCGGTCTG 369
QY 361 TGCCGCTGTGATGACGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
DB 370 TGCCGCTGTGATGACGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 429
QY 421 CCCAGCTGTGAGTGTGCCAGGCCCCAGAGAAATCAAGTGTGTGTGTGTGTGTGTGT 480
DB 430 CCCAGCTGTGAGTGTGCCAGGCCCCAGAGAAATCAAGTGTGTGTGTGTGTGTGTGT 489
QY 481 TGGGTATGTGACCAAGGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 540
DB 490 TGGGTATGTGACCAAGGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 549
QY 541 CTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
DB 550 TTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 609
QY 601 TGGGGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
DB 610 TGGGGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 669
QY 661 CGATTGTGTGCACTGTGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 720
DB 670 CGATTGTGTGCACTGTGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 729
QY 721 AGGAGCCACAGCTCATGAAACAGTGTCTTCTA 752
DB 730 AGGAGCCACAGCTCATGAAACAGTGTCTTCTA 761

```

RESULT 8

US-10-160-503-319
 Sequence 319, Application US/10160503
 Publication No. US2004003559A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P333081C46
 CURRENT APPLICATION NUMBER: US/10/160,503
 NUMBER OF SEQUENCE ID NOS: 550
 SEQ ID NO 319
 LENGTH: 1266
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-160-503-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;
 Best Local Similarity 79.9%; Pred. No. 2.6e-142;
 Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

```

QY 1 ATGAGGGGAGCCCACTGATCATCTTGGCCACTTCCCTTCTGCTTCTTCATG 60
DB 10 ATGAGAGGACACCCAGAGCCCACTTCTTCCCTTCTTCTTCTTCTTCTTCAAG 69
QY 61 GTGTGTGCCAGCTGTGCCAGACACCTGTACTCTGTGACACCACTCCAGTCCCA 120
DB 70 GTGCTTACCCAGCTGTGCCAGACACCACTTCTTCTTCTTCTTCTTCTTCTTCAAG 129
QY 121 CAGGGGGTACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
DB 130 CTGGAGATACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 189
QY 181 GGGGAGTCTGTGACCACTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
DB 190 GGGGAGCTGTGACCACTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 249
QY 241 GGGGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 300
DB 250 GGGGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 309
QY 301 GAGGTGAATGAGCCGAGTACTGTGATGTGAGAGACCTTAAACCAATTGCGGTCTG 360
DB 310 GAGGTGAATGAGCCGAGTACTGTGATGTGAGAGACCTTAAACCAATTGCGGTCTG 369
QY 361 TGCCGCTGTGATGACGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
DB 370 TGCCGCTGTGATGACGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 429
QY 421 CCCAGCTGTGAGTGTGCCAGGCCCCAGAGAAATCAAGTGTGTGTGTGTGTGTGTGT 480
DB 430 CCCAGCTGTGAGTGTGCCAGGCCCCAGAGAAATCAAGTGTGTGTGTGTGTGTGTGT 489
QY 481 TGGGTATGTGACCAAGGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 540
DB 490 TGGGTATGTGACCAAGGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 549
QY 541 CTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
DB 550 TTTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 609
QY 601 TGGGGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
DB 610 TGGGGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 669
QY 661 CGATTGTGTGCACTGTGATGTGACACCGGATGTGACCGGATGTGACCGGATGTG 720

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Db 670 CGCTTCGCCAGCTGAGAGACCCAGCCGCGCTGTGCTGTCCAGGAGCCCTTGCCCAACCTCTCC 729

QY 721 AGAGCCACAGCTCATGTGAACAGTCTTCTA 752

Db 730 AGGGGTGCGAGTCCACAAACAGTGCCTTCTA 761

RESULT 9

US-10-143-118-319

Sequence 319: Application US/10143118

Publication No. US20040038335A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary B.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P330R1C228

CURRENT APPLICATION NUMBER: US/10/143,118

CURRENT FILING DATE: 2002-05-09

Prior Application removed - See Palm or File Wrapper

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 319

LENGTH: 1266

TYPE: DNA

ORGANISM: Homo Sapien

US-10-143-118-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;

Best Local Similarity 79.9%; Pred. No. 2.6e-142;

Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

QY 1 ATGAGGGGAGCCCACTATCATCTTTGTGGCACTTCTCTCTCTCTCTCTCATG 60

Db 10 ATGAGGGGAGCCCACTATCATCTTTGTGGCACTTCTCTCTCTCTCTCTCATG 69

QY 61 GTGTGTGCCAGCTGTGCGGAGCACTGTACTGTCTTGAACCAACCCAGTGCCCA 120

Db 70 GTGTGTGCCAGCTGTGCGGAGCACTGTACTGTCTTGAACCAACCCAGTGCCCA 129

QY 121 CAGGGGGTACCCCTGTGTCTGTGATGTGCTGTGCTGTAAAGTGTGTGACGGAAGCTG 180

Db 130 CTGGGAGTACCCCTGTGTCTGTGATGTGCTGTGCTGTGCTGTGCTGTGCTGTG 189

QY 181 GGGAGTCTGTGCGGAGCACTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 240

Db 190 GGGAGTCTGTGCGGAGCACTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 249

QY 241 GGGGAGGCTCTGTGCGGAGCACTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 300

Db 250 GGGGAGGCTCTGTGCGGAGCACTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 309

QY 301 GAGGTGAATGCGCGAGGTACTGTGATGGAAGACCTTTAAACCAATTGCAAGGTCTG 360

Db 310 GAGGTGAATGCGCGAGGTACTGTGATGGAAGACCTTTCAAGCCCACTGCAAGATCGC 369

QY 361 TGCGGCTGTGATGAGCGGTGCTTCACTGCGCGAGCTGTGATGAGGAGATGTGCGGCTG 420

Db 370 TGCGGCTGTGATGAGCGGTGCTTCACTGCGCGAGCTGTGATGAGGAGATGTGCGGCTG 429

QY 421 CCCAGCTGGAGCTGCCACGCCCCAAGAGATACAGGTGCCAGGAAAGTGTGCCCCGAG 480

Db 430 CCCAGCTGGAGCTGCCACGCCCCAAGAGAGGTGAGAGTCTGTGGCAAGTGTGCTGAG 489

QY 481 TGAGTATGTGACCAAGGAGTGAACACCGGCGATCAAGCGCTTCACAGCGCGCAAGACCA 540

Db 490 TGAGTATGTGACCAAGGAGGAGGAGTGGGAGCCAGCCCTTCACAGCGCGCAAGACCC 549

QY 541 CTTCGTGCGCTGTGACCTCTGCTGTGATGCTCTTGTCCAAATGGAGCAGAGCC 600

Db 550 TTTCGTGCGCTGTGCTCTTCTCTGCGCCCTGTGCTCTTGTCCAGATGAGACAGGCC 609

QY 601 TGAGGCGCTGTGCTCAACCACTGTGAGCTGAGATACCAACCCGAGTGTCCACACAGAC 660

Db 610 TGAGGAGCTGTGCTGACCACTGTGAGCTGAGATGAGCAACCGGAGTGTCCACACAGAC 669

QY 661 CGATTCTGCCAATGTGAGATCCACCGCGCTGTGTGTGCGCCAGACCTGTGCTGAGCACC 720

Db 670 CGCTTCGCCAGCTGAGAGACCCAGCGCGCTGTGCTGTGCTGCTGCTGCTGCTGCTG 729

Db 721 AGAGCCACAGCTCATGTGAACAGTCTTCTA 752

Db 730 AGGGGTGCGAGTCCACAAACAGTGCCTTCTA 761

RESULT 10

US-10-144-993-319

Sequence 319: Application US/10144993

Publication No. US20040038336A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary B.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P330R1C261

CURRENT APPLICATION NUMBER: US/10/144,993

CURRENT FILING DATE: 2002-05-13

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 319

LENGTH: 1266

TYPE: DNA

ORGANISM: Homo Sapien

US-10-144-993-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;

Best Local Similarity 79.9%; Pred. No. 2.6e-142;

Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

QY 1 ATGAGGGGAGCCCACTATCATCTTTGTGGCACTTCTCTCTCTCTCTCTCATG 60

Db 10 ATGAGGGGAGCCCACTATCATCTTTGTGGCACTTCTCTCTCTCTCTCTCATG 69

QY 61 GTGTGTGCCAGCTGTGCGGAGCACTGTACTGTCTTGAACCAACCCAGTGCCCA 120

Db 70 GTGTGTGCCAGCTGTGCGGAGCACTGTACTGTCTTGAACCAACCCAGTGCCCA 129

Db 610 TGGGAGCCCTGCTCGACCACTGTGAGGCTGAGCCACCCGGGTGTCCACCAAGAAC 669
Qy 661 CGATTCTGCACTGAGATCCAAAGCGGCTGTGTCTGCCAGACCCCTGCTGGAGACC 720
Db 670 CGCTTCTCCGACTGGAACCCAGCGCCGTGTCTGTCCAGGCGCTTGCCACCCCTCC 729
Qy 721 AGGAGCCACAGCTCATGGAAGAGTCTTTCTA 752
Db 730 AGGGGTGCGACGTCCACAAACAGTGCCTTTCTA 761

RESULT 12
US-10-140-024-319
; Sequence 319, Application US/10140024
; Publication No. US20040058424A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C69
; CURRENT APPLICATION NUMBER: US/10/140.024
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-024-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.6e-142;
Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

Qy 1 ATGAGGGGAGGAGCCGATCATCTTCTGGCACTTCTCTCTGCTTCTCTCAATG 60
Db 10 ATGAGGAGCACACGAAACCCACTCTCTGCTCTCTCTCTCTCTCTCTCTCTCAAG 69
Qy 61 GTGTGTGCCAGCTGTGCTGGACACCTGTGACCTGTCTTGTGACACCAACCCCAATGCCCA 120
Db 70 GTGCGTACCCAGCTGTGCTGGACACCACTGTGACCTGTGACCACTCTCTCTCTCTCTCTCT 129
Qy 121 CAGGGGGTACCCCTGTGTCTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 180
Db 130 CTGGAGTACCCCTGTGTCTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 189
Qy 181 GGGGAGTCTCTGACACCACTGATCTGTGACACCCAGGAGGCTGTGCTGTGCTGTGCTGTG 240
Db 190 GGGGAGTCTCTGACACCACTGATCTGTGACACCCAGGAGGCTGTGCTGTGCTGTGCTGTG 249
Qy 241 GGGGAGGCTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 300
Db 250 GGGGAGGCTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 309
Qy 301 GAGGTGATGGCCGAGGTATCTGTGATGAGAGCTTTAAACCAATTGACAGGGGTCTGTG 360
Db 310 GAGGTGATGGCCGAGGTATCTGTGATGAGAGCTTTCAAGCCCACTGACGATCTGCC 369

Qy 361 TGCCGCTGTATGACGGAGGCTTCACTGCTGCTGCTGTGAGTGAAGTGTGCGCTG 420
Db 370 TGCCGCTGTGAGAGCGAGGCTTCACTGCTGCTGCTGTGAGTGAAGTGTGCGCTG 429
Qy 421 CCCAGCTGTGAGACTGCCACCGCCCAAGAAATACAGGTGACGAGAAAGTGTGCTGCCAG 480
Db 430 CCCAGCTGTGAGACTGCCACCGCCCAAGAGGTGAGAGTCTGTGAGAGTGTGCTGCCAG 489
Qy 481 TGGGTATGTGACACGAGGATGACACCGGCGATCCAGGCTTCCAGGCGCAAGACACCA 540
Db 490 TGGGTATGTGACACGAGGATGACACCGGCGATCCAGGCTTCCAGGCGCAAGACACCA 549
Qy 541 CTTTCTGCTGCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 550 TTTTCTGCTGCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 609
Qy 601 TGGGAGCCCTGTCTCAACCACTGTGAGCTGAGCAAGACCCGAGTGTCAACCAAC 660
Db 610 TGGGAGCCCTGTCTCAACCACTGTGAGCTGAGCAAGACCCGAGTGTCAACCAAC 669
Qy 661 CGATTCTGCACTGAGATCCAAAGCGGCTGTGTCTGCCAGACCCCTGCTGGAGCC 720
Db 670 CGCTTCTGCGACTGAGAGACCAAGCGGCTGTGTCTGCCAGACCCCTGCTGGAGCC 729
Qy 721 AGGAGCCACAGCTCATGGAACAGTCTTTCTA 752
Db 730 AGGGGTGCGACGTCCACAAACAGTGCCTTTCTA 761

RESULT 13
US-10-140-808-319
; Sequence 319, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140.808
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 319
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-808-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.6e-142;
Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

Qy 1 ATGAGGGGAGGAGCCGATCATCTTCTGGCACTTCTCTCTGCTTCTCTCAATG 60
Db 10 ATGAGGAGCACACGAAACCCACTCTCTGCTCTCTCTCTCTCTCTCTCTCTCAAG 69

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Maranabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C88
CURRENT APPLICATION NUMBER: US/10/127,852A
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 319
LENGTH: 1266
TYPE: DNA
ORGANISM: Homo Sapien
US-10-127-852A-319

Query Match 67.8%; Score 510.4; DB 13; Length 1266;
Best Local Similarity 79.9%; Pred. No. 2.6e-142;
Matches 601; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

QY 1 ATGAGGGGAGCCACTGATCATCTTCTGCGCACTTCTCTGCTCTCTCATG 60
DB 10 ATGAGGGGAGCACAGGAAGCCACTCTGCGCTTCTCTCTCTCTCTCAAG 69
QY 61 GTGTGTGCGCCAGCTGTGTGCGGAGACCTGTACTGTCTTGTGACACCAAGTGCCCA 120
DB 70 GTGTGTGCGCCAGCTGTGTGCGGAGACCACTGTACTGTCTTGTGACACCAAGTGCCCA 129
QY 121 CAGGGGGGTACCCCTGGGTGTGATGGTGTGCTGTAAAGTGTGTGACGAGGAGCTG 180
DB 130 CTGGGAGTACCCCTGGGTGTGATGGTGTGCTGTAAAGTGTGTGACGAGGAGCTG 189
QY 181 GGGAGTCTGTGCGACCACTGTGATGTCTGTGACCCCAAGGAGCTGTGTGACGCT 240
DB 190 GGGAGTCTGTGCGACCACTGTGATGTCTGTGACCCCAAGGAGCTGTGTGACGCT 249
QY 241 GGGGAGGCGCTGTGCGGAGCATGGGGCTGTGTGTCTTGTGATGAGGATGACGGTACGCTGT 300
DB 250 GGGGAGGAGCGCTGTGCGGAGCATGGGGCTGTGTGTCTTGTGATGAGGATGACGGTACGCTGT 309

QY 301 GAGGTAAATGGCCGAGAGTACTGTATGAGAGACCTTTAAACCAATTGACGGGTCTG 360
DB 310 GAGGTAAATGGCCGAGAGTACTGTATGAGAGAGAGACCTTTCAAGCCCACTGACGATCCGC 369
QY 361 TGGCGCTGTGATGAGCGGTGCTTACCTGCTGCGCTGTGAGTAAAGATGTGCGGCTG 420
DB 370 TGGCGCTGTGAGAGAGCGGCTTACCTGCTGCGCTGTGAGTAAAGATGTGCGGCTG 429
QY 421 CCAGCTGGGAGTGGCCCAAGCCCAAGAAATACAGTGTGCAAGAAATGTGCCCCAG 480
DB 430 CCAGCTGGGAGTGGCCCAAGCCCAAGAGGTGAGGTCTGTGAGCAAGTGTGCCCCAG 489
QY 481 TGGGTATGTGACCGAGGAGTGAACACCGGAGTCCAGGCTCCACGGGCAAGAGACCAA 540
DB 490 TGGGTATGTGACCGAGGAGTGAACACCGGAGTCCAGGCTCCACGGGCAAGAGACCAA 549
QY 541 CTTTCTGCGCTTGTCACTCTGCTGTGTGATGTCTTGTTCGAAATTGAGACAGCC 600
DB 550 TTTTCTGCGCTTGTCTTCTTCCCTGCGCCCTGTGTGCTCCCTGCGGAGATGAGACAGCC 609
QY 601 TGGGGCCCTGCTCAACCACTGTGTGAGGATGAGGACCGGAGTCCACCGAAGAC 660
DB 610 TGGGGACCTGCTCAACCACTGTGTGAGGATGAGGACCGGAGTCCACCGAAGAC 669
QY 661 CGATTCTGCAACTGAGATCCAAAGCGCGCTGTGTGCGGACAGACCTGCTGAGCC 720
DB 670 CGATTCTGCAACTGAGATCCAAAGCGCGCTGTGTGCGGACAGACCTGCTGAGCC 729
QY 721 AGGAGCCAGCTGATGAAACAGTCTTTCTA 752
DB 730 AGGAGCCAGCTGATGAAACAGTCTTTCTA 761

Search completed: May 9, 2004, 11:05:34
Job time : 336.445 secs

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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 06:27:47 ; Search time 62.7198 Seconds
(without alignments)
6662.619 Million cell updates/sec

Title: US-10-010-408-3

Perfect score: 753
Sequence: 1 ATGAGGGGAGGCCACTGAT.....CATGAAACAGTGTCTTCTAA 753

Scoring table: OLIGO_NTIC
Gapop 60.0, Gapext 60.0

Searched: 682709 seqs, 27747546 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA: *
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5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	12.0	1734	4 US-09-182-145-17	Sequence 17, Appl
2	90	12.0	1734	4 US-09-182-145-18	Sequence 18, Appl
3	32	4.2	647	4 US-09-023-655-790	Sequence 790, App
4	32	4.2	738	4 US-09-182-145-38	Sequence 38, Appl
5	32	4.2	841	4 US-09-182-145-39	Sequence 39, Appl
6	32	4.2	1293	4 US-09-182-145-13	Sequence 13, Appl
7	32	4.2	1293	4 US-09-182-145-14	Sequence 14, Appl
8	27	3.6	51	4 US-09-182-145-117	Sequence 117, App
9	19	2.5	372	4 US-09-636-791A-11	Sequence 11, Appl
10	19	2.5	425	4 US-08-747-562-24	Sequence 24, Appl
11	19	2.5	616	3 US-09-385-982-220	Sequence 220, App
12	19	2.5	1196	4 US-09-149-476-225	Sequence 225, App
13	19	2.5	1220	4 US-09-149-476-57	Sequence 57, Appl
14	19	2.5	1514	2 US-09-213-768-1	Sequence 1, Appl
15	19	2.5	1539	4 US-09-668-680-13	Sequence 13, Appl
16	19	2.5	2031	4 US-09-252-991A-12122	Sequence 12122, A
17	19	2.5	2370	4 US-09-252-991A-12136	Sequence 12136, A
18	19	2.5	3120	4 US-09-252-991A-12395	Sequence 12395, A
19	18	2.4	20	2 US-09-213-768-2	Sequence 2, Appl
20	18	2.4	280	4 US-09-313-294A-742	Sequence 742, App
21	18	2.4	315	4 US-09-313-294A-482	Sequence 482, App
22	18	2.4	1218	4 US-09-252-991A-9462	Sequence 9462, App
23	18	2.4	1290	4 US-09-252-991A-9349	Sequence 9349, App
24	18	2.4	1422	4 US-09-489-039A-7028	Sequence 7028, App
25	18	2.4	1646	4 US-09-023-655-629	Sequence 629, App
26	18	2.4	1950	4 US-09-489-039A-6971	Sequence 6971, App
27	18	2.4	2196	4 US-09-252-991A-9319	Sequence 9319, App

C 28	18	2.4	2790	4 US-09-904-615-30	Sequence 30, Appl
C 29	18	2.4	3727	1 US-08-249-380-1	Sequence 1, Appl
C 30	17	2.3	44	4 US-09-182-145-152	Sequence 152, App
C 31	17	2.3	435	4 US-09-252-991A-7905	Sequence 7905, App
C 32	17	2.3	464	2 US-08-691-814B-117	Sequence 117, App
C 33	17	2.3	477	4 US-09-252-991A-6506	Sequence 6506, App
C 34	17	2.3	480	3 US-09-188-930-206	Sequence 206, App
C 35	17	2.3	480	4 US-09-312-283C-206	Sequence 206, App
C 36	17	2.3	482	2 US-08-691-814B-120	Sequence 120, App
C 37	17	2.3	614	3 US-08-998-416-151	Sequence 151, App
C 38	17	2.3	882	4 US-09-489-039A-2691	Sequence 2691, App
C 39	17	2.3	896	3 US-09-188-930-36	Sequence 36, Appl
C 40	17	2.3	896	4 US-09-312-283C-36	Sequence 36, Appl
C 41	17	2.3	933	3 US-08-987-743-1	Sequence 1, Appl
C 42	17	2.3	933	4 US-09-252-991A-6517	Sequence 6517, App
C 43	17	2.3	1308	4 US-08-987-743-5	Sequence 5, Appl
C 44	17	2.3	1596	4 US-09-252-991A-7833	Sequence 7833, Appl
C 45	17	2.3	1740	4 US-09-252-991A-7731	Sequence 7731, App

ALIGNMENTS

```
RESULT 1
US-09-182-145-17
; Sequence 17, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
; APPLICANT: Botstein, David A.
; APPLICANT: Cohen, Robert
; APPLICANT: Goddard, Audrey
; APPLICANT: Gutney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Lawrence, David A.
; APPLICANT: Levine, Arnold J.
; APPLICANT: Pennica, Diane
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: P1176R2
; CURRENT APPLICATION NUMBER: US/09/182,145B
; EARLIER FILING DATE: 1998-10-29
; EARLIER APPLICATION NUMBER: US 60/063,704
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: US 60/073,612
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: US 60/081,695
; NUMBER OF SEQ ID NOS: 156
; SEQ ID NO 17
; LENGTH: 1734
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-182-145-17

Query Match      12.0%; Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 2.2e-34;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 162 AGGTGTGACGGAGGCTGGGGAGTCTCTGACGACCATGTCTGACGCCAGCCCA 221
DB 418 AGTGTGTGACGGAGGCTGGGGAGTCTCTGACGACCATGTCTGACGCCAGCCCA 477
QY 222 GGGCTGTGTTGTCTGACGCTGGGGCAGGCC 251
DB 478 GGGCTGTGTTGTCTGACGCTGGGGCAGGCC 507

RESULT 2
US-09-182-145-18/c
; Sequence 18, Application US/09182145B
; Patent No. 6387657
; GENERAL INFORMATION:
```

APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 18
LENGTH: 1734
TYPE: DNA
ORGANISM: Mus musculus
US-09-182-145-18

Query Match 12.0%; Score 90; DB 4; Length 1734;
Best Local Similarity 100.0%; Pred. No. 2.2e-34;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 162 AGTGTGTCAGGAGGCTGGGGAGTCTGGAGACCACTGATGTCGACCCAGCA 221
DB 1317 AGTGTGTCAGGAGGCTGGGGAGTCTGGAGACCACTGATGTCGACCCAGCA 1258
QY 222 GGGCTGTGTTGTGAGCCTGGGGCGAGGCC 251
DB 1257 GGGCTGTGTTGTGAGCCTGGGGCGAGGCC 1228

RESULT 3
US-09-023-655-790
Sequence 790, Application US/09021655
Patent No. 6607879
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 790:
SEQUENCE CHARACTERISTICS:
LENGTH: 647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGTUT02
CLOVE: 692911
US-09-023-655-790

Query Match 4.2%; Score 32; DB 4; Length 647;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 406 GAGATGTGCGGCTGCGCCAGCTGGGACTGCC 437
DB 138 GAGATGTGCGGCTGCGCCAGCTGGGACTGCC 169

RESULT 4
US-09-182-145-38
Sequence 38, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 38
LENGTH: 738
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-38

Query Match 4.2%; Score 32; DB 4; Length 738;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 127 GTACCCCTGTGCTGATGCTGTGGCTGCTG 158
DB 115 GTACCCCTGTGCTGATGCTGTGGCTGCTG 146

RESULT 5
US-09-182-145-39
Sequence 39, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert

APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 39
LENGTH: 841
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc feature
LOCATION: 1-841
OTHER INFORMATION: Sequence is synthesized.
Patent No. 6387657
US-09-182-145-39

Query Match 4.2%; Score 32; DB 4; Length 841;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 406 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 437
Db 417 GAGGATGTGGCGCTGCCAGCTGGGACTGCC 448

RESULT 6
US-09-182-145-13
Sequence 13, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 13
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-13

Query Match 4.2%; Score 32; DB 4; Length 1293;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;

Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 GTACCCCTGGTGGATGGCTGGGCTGCTG 158
Db 148 GTACCCCTGGTGGATGGCTGGGCTGCTG 179

RESULT 7
US-09-182-145-14/c
Sequence 14, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 14
LENGTH: 1293
TYPE: DNA
ORGANISM: Homo sapiens
US-09-182-145-14

Query Match 4.2%; Score 32; DB 4; Length 1293;
Best Local Similarity 100.0%; Pred. No. 4.2e-06;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 GTACCCCTGGTGGATGGCTGGGCTGCTG 158
Db 1146 GTACCCCTGGTGGATGGCTGGGCTGCTG 1115

RESULT 8
US-09-182-145-117
Sequence 117, Application US/09182145B
Patent No. 6387657
GENERAL INFORMATION:
APPLICANT: Botstein, David A.
APPLICANT: Cohen, Robert
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Lawrence, David A.
APPLICANT: Levine, Arnold J.
APPLICANT: Pennica, Diane
APPLICANT: Roy, Margaret Ann
APPLICANT: Wood, William I.
TITLE OF INVENTION: WISP POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: P1176R2
CURRENT APPLICATION NUMBER: US/09/182,145B
CURRENT FILING DATE: 1998-10-29
EARLIER APPLICATION NUMBER: US 60/063,704
EARLIER FILING DATE: 1997-10-29
EARLIER APPLICATION NUMBER: US 60/073,612
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: US 60/081,695
EARLIER FILING DATE: 1998-04-14

NUMBER OF SEQ ID NOS: 156
SEQ ID NO 117
LENGTH: 51
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1-51
OTHER INFORMATION: Sequence is synthesized.
Patent No. 6387657
US-09-182-145-117

Query Match 3.6%; Score 27; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 132 CCTGGTGTGATGGTGTGGCTGCTG 158
Db 1 CCTGGTGTGATGGTGTGGCTGCTG 27

RESULT 9
US-09-636-791A-11/c
Sequence 11, Application US/09636791A
Patent No. 6503703
GENERAL INFORMATION:
APPLICANT: Palese et al
TITLE OF INVENTION: IDENTIFICATION AND USE OF ANTIVIRAL COMPOUNDS THAT
TITLE OF INVENTION: INHIBIT INTERACTION OF HOST CELL PROTEINS AND VIRAL
TITLE OF INVENTION: PROTEINS REQUIRED FOR VIRAL REPLICATION
FILE REFERENCE: 6923-077-999
CURRENT APPLICATION NUMBER: US/09/636,791A
CURRENT FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: 60/148,263
PRIOR FILING DATE: 1999-08-11
NUMBER OF SEQ ID NOS: 42
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 11
LENGTH: 372
TYPE: DNA
ORGANISM: Homo sapiens
US-09-636-791A-11

Query Match 2.5%; Score 19; DB 4; Length 372;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 369 TGATGACGGTGGCTTACC 387
Db 80 TGATGACGGTGGCTTACC 62

RESULT 10
US-08-747-562-24/c
Sequence 24, Application US/08747562
Patent No. 6579697
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BOLDIN, Mark
APPLICANT: METT, Igor
APPLICANT: VARPOLOMEV, Eugene
TITLE OF INVENTION: MODULATOR OF TNF/NGF SUPERFAMILY RECEPTORS
TITLE OF INVENTION: AND SOLUBLE OLIGOMERIC TNF/NGF SUPERFAMILY RECEPTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,562
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05854
FILING DATE: 11-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 109,632
FILING DATE: 11-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 111,125
FILING DATE: 02-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-15A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 425 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-747-562-24

Query Match 2.5%; Score 19; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 369 TGATGACGGTGGCTTACC 387
Db 118 TGATGACGGTGGCTTACC 100

RESULT 11
US-09-385-982-220/c
Sequence 220, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDERB, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS: II
FILE REFERENCE: CCDA-260XX
CURRENT FILING DATE: 1999-08-30
EARLIER FILING DATE: 09/328,111
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 220
LENGTH: 616
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(616)
OTHER INFORMATION: n = A,T,C or G
US-09-385-982-220

Query Match 2.5%; Score 19; DB 3; Length 616;
Best Local Similarity 100.0%; Pred. No. 9.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 369 TGATGACGGTGGCTTACC 387

Db 127 TGATGACGTGGCTTACC 109

RESULT 12
US-09-149-476-225/c
Sequence 225, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Roosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
EARLIER FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
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EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 2.5% Score 19; DB 4; Length 1196;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 369 TGATGACGTCGCTTACC 387
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DB 134 TGATGACGTCGCTTACC 116

RESULT 13
US-09-149-476-57/c
Sequence 57, Application US/09149476

Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
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EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 2.5%; Score 19; DB 4; Length 1220;
Best Local Similarity 100.0%; Pred.No.9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 369 TGATGACGTCGCTTACC 387
Db 128 TGATGACGTCGCTTACC 110

RESULT 14
US-09-213-768-1/c
Sequence 1, Application US/09213768
Patent No. 5985664
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
FILE REFERENCE: RFS-0026
CURRENT APPLICATION NUMBER: US/09/213,768

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; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 1514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (136)..(441)
US-09-213-768-1
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Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 369 TGATGACGCTGCTTCACC 387
Db 136 TGATGACGCTGCTTCACC 118
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; Sequence 13, Application US/09668680
; Patent No. 6436703
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhou, Ping
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Xue, Aildong J.
; APPLICANT: Xu, Chongjun
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6436703el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2A
; CURRENT APPLICATION NUMBER: US/09/668,680
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pf_fl_genes Version 2.0
; SEQ ID NO 13
; LENGTH: 1539
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (130)..(1539)
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Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 774 CTTCTCTGCTTCTCTCA 792
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using SW model

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Title: US-10-010-408-3

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Searched: 2941586 seqs, 226495651 residues

Word size: 0

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database:

Published Applications NA: *
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq: *
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq: *
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq: *
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq: *
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq: *
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq: *
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq: *
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq: *
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq: *
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq: *
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq: *
13: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq: *
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq: *
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq: *
16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq: *
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq: *
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq: *
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	753	100.0	753	14	US-10-010-408-3
2	753	100.0	1708	14	US-10-010-408-1
3	681	90.4	681	14	US-10-010-408-12
4	210	27.9	210	14	US-10-010-408-8
5	177	23.5	177	14	US-10-010-408-5
6	174	23.1	174	14	US-10-010-408-10
7	90	12.0	1734	15	US-10-112-267-17
8	90	12.0	1734	15	US-10-112-267-18
9	32	4.2	199	9	US-09-864-761-23432
10	32	4.2	586	9	US-09-864-761-6698
11	32	4.2	647	17	US-10-641-643-790
12	32	4.2	738	15	US-10-112-267-38
13	32	4.2	841	15	US-10-112-267-39
14	32	4.2	1266	13	US-10-147-493-319

15	32	4.2	1266	13	US-10-145-127-319	Sequence 319, App
16	32	4.2	1266	13	US-10-160-503-319	Sequence 319, App
17	32	4.2	1266	13	US-10-143-118-319	Sequence 319, App
18	32	4.2	1266	13	US-10-144-993-319	Sequence 319, App
19	32	4.2	1266	13	US-10-158-787-319	Sequence 319, App
20	32	4.2	1266	13	US-10-140-024-319	Sequence 319, App
21	32	4.2	1266	13	US-10-140-808-319	Sequence 319, App
22	32	4.2	1266	13	US-10-152-405-319	Sequence 319, App
23	32	4.2	1266	13	US-10-127-852A-319	Sequence 319, App
24	32	4.2	1266	13	US-10-127-900A-319	Sequence 319, App
25	32	4.2	1266	13	US-10-128-685A-319	Sequence 319, App
26	32	4.2	1266	13	US-10-131-820A-319	Sequence 319, App
27	32	4.2	1266	13	US-10-142-866-319	Sequence 319, App
28	32	4.2	1266	13	US-10-146-728-319	Sequence 319, App
29	32	4.2	1266	13	US-10-146-788-319	Sequence 319, App
30	32	4.2	1266	13	US-10-147-499-319	Sequence 319, App
31	32	4.2	1266	13	US-10-157-798-319	Sequence 319, App
32	32	4.2	1266	15	US-10-028-072-319	Sequence 319, App
33	32	4.2	1266	15	US-10-121-049-319	Sequence 319, App
34	32	4.2	1266	15	US-10-123-904-319	Sequence 319, App
35	32	4.2	1266	15	US-10-140-470-319	Sequence 319, App
36	32	4.2	1266	15	US-10-175-746-319	Sequence 319, App
37	32	4.2	1266	15	US-10-176-918-319	Sequence 319, App
38	32	4.2	1266	15	US-10-176-921-319	Sequence 319, App
39	32	4.2	1266	15	US-10-137-865-319	Sequence 319, App
40	32	4.2	1266	15	US-10-140-474-319	Sequence 319, App
41	32	4.2	1266	15	US-10-142-431-319	Sequence 319, App
42	32	4.2	1266	15	US-10-143-114-319	Sequence 319, App
43	32	4.2	1266	15	US-10-140-002-319	Sequence 319, App
44	32	4.2	1266	15	US-10-142-419-319	Sequence 319, App
45	32	4.2	1266	15	US-10-123-262-319	Sequence 319, App

ALIGNMENTS

RESULT 1
US-10-010-408-3
Sequence 3, Application US/10010408
Publication No. US20020165185A1
GENERAL INFORMATION:
APPLICANT: John J. Castellot, Jr.
TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CCN-Like Molecules and Uses Therefor
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/010.408
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/044.273
FILING DATE: March 19, 1998
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MB1-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

Query Match	100.0%	Score 753	DB 14	Length 753
Best Local Similarity	100.0%	Pred. No. 0		
Matches 753	0	Mismatches	0	Gaps 0

QY	I	ATGAGGGGAGACGCCCACTGATTCATCTTCGGGCACTTCCTCTCGCTCTCTCAATG	60
Db	1	ATGAGGGGAGAGCCCACTGATTCATCTTCGGGCACTTCCTCTCGCTCTCTCAATG	60
QY	61	GTGTGTGCGCAGCTGTGCGCGGACACCCCTGTACTCTGCTTGGACACCACCCAAGGCCA	120
Db	61	GTGTGTGCCACACTGTGTGCCGACACCTGTACTCTGCTTGGACACCACCCAAGGCCA	120
QY	121	CAGGGGGGTACCCCTGGTGTGTGATGGCTGTGGCTGTGTAAAGTGTGTACAGAGGCTG	180
Db	121	CAGGGGGGTACCCCTGGTGTGTGATGGCTGTGGCTGTGTAAAGTGTGTACAGAGGCTG	180
QY	181	GGGGAGTCTCTGGACCACTGTCATGTCTGCGACCCCAAGCAGAGGCTGTGTTGACGCT	240
Db	181	GGGGAGTCTCTGGACCACTGTCATGTCTGCGACCCCAAGCAGAGGCTGTGTTGACGCT	240
QY	241	GGGGCAGGCCCTGTGGCGGCATGGAGGCTGTGTGTCTCTTGATATGAGGATACGGTAAGT	300
Db	241	GGGGCAGGCCCTGTGGCGGCATGGAGGCTGTGTGTCTCTTGATATGAGGATACGGTAAGT	300
QY	301	GAGGTAAATGGCCGACAGTACTTGATATGAGAGACCTTTAAACCAATTGCAGAGTCTTG	360
Db	301	GAGGTAAATGGCCGACAGTACTTGATATGAGAGACCTTTAAACCAATTGCAGAGTCTTG	360
QY	361	TGCGCTGTGATGATACGGTGGCTTCACTGTCTGCGCTGTGTGACGTAGGATGTGCGGCTG	420
Db	361	TGCGCTGTGATGATACGGTGGCTTCACTGTCTGCGCTGTGTGACGTAGGATGTGCGGCTG	420
QY	421	CCCAGCTGGGACTGCGCACGCGCCCAAGAGATACAGGTGTGCAGAGAAAGTCTGCCAG	480
Db	421	CCCAGCTGGGACTGCGCACGCGCCCAAGAGATACAGGTGTGCAGAGAAAGTCTGCCAG	480
QY	481	TGGGTAATGTGACCCAGGGAGTGACACCGGCGATTCAGGGCTCCACGGCGCAGAGACACAA	540
Db	481	TGGGTAATGTGACCCAGGGAGTGACACCGGCGATTCAGGGCTCCACGGCGCAGAGACACAA	540
QY	541	CTTTCTGCGCTTGTCACTCCTGTGCTGTGCTGATGATGCTCTTGTCCAATTGAGACACGCC	600
Db	541	CTTTCTGCGCTTGTCACTCCTGTGCTGTGCTGATGATGCTCTTGTCCAATTGAGACACGCC	600
QY	601	TGGGGGCCCTGTCAACACACTCTGTGGGCTTGGGCTATGACACCCGAGTGTCCAAAC	660
Db	601	TGGGGGCCCTGTCAACACACTCTGTGGGCTTGGGCTATGACACCCGAGTGTCCAAAC	660
QY	661	CGATTCTGCCAATGAGATCCACGCGCGCTGTGTGCTCCAGACCTTGCCTGGCAGCC	720
Db	661	CGATTCTGCCAATGAGATCCACGCGCGCTGTGTGCTCCAGACCTTGCCTGGCAGCC	720
QY	721	AGGAGCCAGCTCATGGAACAGAGCTTTCTAA	753
Db	721	AGGAGCCAGCTCATGGAACAGAGCTTTCTAA	753

RESULT 2
US-10-010-408-1
; Sequence 1, Application US/10010408

Query Match	100.0%;	Score 753;	DB 14;	Length 1708;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 753; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

QY 1 TTGAGGGGACACCCACGATCATCTTTGCGACCTTCTCTCTGCTTCTGCATG 60

Db 249 ATGAGGGGACACCCACGATCATCTTTGCGACCTTCTCTCTGCTTCTGCATG 308

QY 61 GTGTGTGCCACGCTGTGCGGACACCCCTGTACTGTCTTGTGACACACCCCAAGTCCCA 120

Db 309 GTGTGTGCCACGCTGTGCGGACACCCCTGTACTGTCTTGTGACACACCCCAAGTCCCA 368

QY 121 CAGGGGGTACCCCTGTGCTGTGAGTGGCTGTGCTCTCTGTTAAAGTGTGTGCACAGAGGCTG 180

Db 369 CAGGGGGTACCCCTGTGCTGTGAGTGGCTGTGCTCTCTGTTAAAGTGTGTGCACAGAGGCTG 428

QY 181 GGGGAGTCTGTGACACACCTGTGACACCCACAGAGGCTGTGTTGTCAGCT 240

Db 429 GGGGAGTCTGTGACACACCTGTGACACCCACAGAGGCTGTGTTGTCAGCT 488

QY 241 GGGGACAGGCTGTGCGGCGCATGAGGAGCTGTGTCTCTTGTGATGAGATGACGCTACTCT 300

Db 489 GGGGACAGGCTGTGCGGCGCATGAGGAGCTGTGTCTCTTGTGATGAGATGACGCTACTCT 548

QY 301 GAGTGAATGCGCGCAGTACTGTGATGAGAGACCTTTAAACCCAAATGACAGGCTCTG 360

Db 549 GAGTGAAATGCGCGAGTACCTGATGAGAGACCTTTAAACCAATTGACGGTCTTG 608
 Qy 361 TGGCCCTGATGATGAGTGGCTTACCTGCTGCGCTGCTGAGTGGAGATGCGGCTG 420
 Db 609 TCCCGCTGATGATGAGTGGCTTACCTGCTGCGCTGCTGAGTGGAGATGCGGCTG 668
 Qy 421 CCAGCTGGAGATGAGTGGCTTACCTGCTGCGCTGCTGAGTGGAGATGCGGCTG 480
 Db 669 CCAGCTGGAGATGAGTGGCTTACCTGCTGCGCTGCTGAGTGGAGATGCGGCTG 728
 Qy 481 TGGGATGATGATGAGTGGAGTGAACCGGCGATGACCGCTGCAACCGCGCAAGACCA 540
 Db 729 TGGGATGATGATGAGTGGAGTGAACCGGCGATGACCGCTGCAACCGCGCAAGACCA 788
 Qy 541 CTTTCTGCGCTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
 Db 789 CTTTCTGCGCTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 848
 Qy 601 TGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
 Db 849 TGGGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 908
 Qy 661 CGATTCTGCGCACTGAGATGCAACCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
 Db 909 CGATTCTGCGCACTGAGATGCAACCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 968
 Qy 721 AGAGCCCAAGCTGCTGATGGAACAGTCTTTCTAA 753
 Db 969 AGAGCCCAAGCTGCTGATGGAACAGTCTTTCTAA 1001

RESULT 3
 US-10-010-408-12
 ; Sequence 12, Application US/10010408
 ; Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castellor, Jr.
 TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CN-Like Molecules
 and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/010-408

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/044,273

FILING DATE: March 19, 1998

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Amy E. Mandragoulas

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MB1-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 742-4214

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 681 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..681
 SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 US-10-010-408-12

Query Match 90.4%; Score 681; DB 14; Length 681;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 681; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 70 CAGCTGTGCGGACACCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 129
 Db 1 CAGCTGTGCGGACACCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
 Qy 130 CCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 189
 Db 61 CCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 Qy 190 TCGACACCACTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 249
 Db 121 TCGACACCACTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
 Qy 250 CCTGTGCGGACATGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309
 Db 181 CCTGTGCGGACATGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
 Qy 310 GGCCTGAGGTACCTGTGATGAGAGACCTTTAAACCAATTGACAGGCTCTGCTGCTGCTG 369
 Db 241 GGCCTGAGGTACCTGTGATGAGAGACCTTTAAACCAATTGACAGGCTCTGCTGCTGCTG 300
 Qy 370 GATGACGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 429
 Db 301 GATGACGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
 Qy 430 GACTGCCACGCGCCCAAGAGATATACAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 489
 Db 361 GACTGCCACGCGCCCAAGAGATATACAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
 Qy 490 GACCAAGAGATGACACCGCGATGACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 549
 Db 421 GACCAAGAGATGACACCGCGATGACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
 Qy 550 CTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 609
 Db 481 CTTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
 Qy 610 TGTCTAACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 669
 Db 541 TGTCTAACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
 Qy 670 CAAGTGAAGATGCAAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 729
 Db 601 CAAGTGAAGATGCAAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
 Qy 730 AGCTCATGGAACAGTCTTTC 750
 Db 661 AGCTCATGGAACAGTCTTTC 681

RESULT 4

US-10-010-408-8
 ; Sequence 8, Application US/10010408
 ; Publication No. US20020165185A1

GENERAL INFORMATION:

APPLICANT: John J. Castellor, Jr.

TITLE OF INVENTION: No. US20020165185A1 Heparin-Induced CN-Like Molecules
 and Uses Therefor

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street